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A catalog of all motion pictures and filmstrips by agencies of the Federal Government which were available for public educational use in the United States as of July 1, 1960. Entries range from the photographic recordings of scientific test data and the copyrighting of commercial films to the production and execution of substantive programs authorized by Congress. Each entry includes a brief description of the item, a summary of its contents, an indication of the source, and information concerning availability for television exhibition.

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# U.S. GOVERNMENT films

## FOR PUBLIC EDUCATIONAL USE - 1960

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U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
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*see pages*

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OE-34006
Circular No. 655

8217

# U.S. GOVERNMENT films

## FOR PUBLIC EDUCATIONAL USE - 1960

Seerley Reid
Assistant Director, Educational Media Branch

with the assistance of
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and
Annie Rose Daugherty, Office of Education

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Abraham A. Ribicoff, Secretary

Office of Education — Sterling M. McMurrin, Commissioner

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## THIS CATALOG

### Background and purpose

As one of its services to American schools and colleges, the United States Office of Education provides these institutions with information about the educational materials of the Federal Government; and as part of this service, the Office collects, catalogs, and publishes information about the motion pictures and filmstrips of all Government agencies--continuously through the issuance of Library of Congress film catalog cards and occasionally through book catalogs.

In February 1950 the Bureau of the Budget, by direction of the President, issued a circular to the heads of all executive departments and establishments of the Federal Government calling their attention to this service of the Office of Education and requesting that certain basic information about their films be furnished to the Office of Education. In its circular, the Bureau of the Budget stressed the following values of a catalog of U.S. Government films:

"It is anticipated (a) that the information so compiled and the catalog, with supplements and revisions as needed, will be helpful not only to educational institutions, other community organizations, and the general public but also to all departments and establishments of the Government; (b) that it will facilitate and expedite the answering of inquiries addressed to the Government concerning the existence and availability of Government films; and (c) that it will provide all departments and establishments with a central information source on the existence of Government films."

In 1951, the Office of Education and the Library of Congress entered into a cooperative agreement whereby the Office, having information about all Government films (in accordance with the Bureau of the Budget directive), would furnish such information to the Library and the Library would print and distribute 3 x 5 catalog cards for all these films. This cooperative cataloging service is now firmly established, and Library of Congress cards are available for all of the films described in this 1960 catalog.

### Scope of the catalog

In the preparation of this catalog, four basic criteria have been used in defining its scope. In the first place, "U.S. Government" has been interpreted to include all agencies of the executive, judicial, and legislative branches of the Federal Government (including wholly owned Government corporations). But not included in the catalog are films of quasi-official agencies such as the American Red Cross; of international agencies such as the Pan American Union and the United Nations; or of State and local governments.

Second, the word "films," as used in the catalog, includes both motion pictures and filmstrips.

A third criterion, more difficult of interpretation than the previous two standards, relates to the extent of ownership and sponsorship of a film by an agency of the Federal Government. In this catalog, "U.S. Government films" have been defined as those films which are (a) the property of the Federal Government, including negative and reproduction rights; or which, if not owned by the Government, are (b) presented officially by the Government and to which the Government has major distribution rights. Not included in the catalog are films, produced by non-Government sources, copies of which may have been acquired by and are being distributed by a particular Government agency, but to which the Government's equity and sponsorship extend only to these copies.

### Availability for public use

This catalog includes all U.S. Government films--as defined by the three above-mentioned criteria--which are available for public use in the United States. This fourth criterion is also difficult of interpretation, but here it has been defined as follows: If prints (copies) of a film can be purchased and used by the public in the United States, that film has been considered available. If prints of a film cannot be purchased, however, a film has been considered available only if there are sufficient prints in circulation to take care of public requests for the film. Admittedly, the number of "sufficient prints" is variable, depending upon the nature of the subject matter and the probable size of the audience for a particular film. Only those films which are actually available and reasonably accessible for public use in the United States have been included in the catalog.

These, then, are the four criteria used in the selection of the U.S. Government films included in this catalog. Only those films which met these criteria have been included. Not included in the catalog are films which have been withdrawn because of obsolescence or other reasons; films which are used solely as working tools by a Government agency; films which consist of unedited footage or "stock shots"; and films whose public use in the United States is prohibited for security reasons, legal restrictions, or policy considerations.

### Preparation of the catalog

As explained above, the Office of Education and the Library of Congress have cooperatively cataloged all of the films listed and described in this catalog. LC's film catalog cards, available for all of the films, provided the basic material used in preparing the catalog--essential descriptive information about individual films and film series and the subject headings under which the films have been classified. To these descriptive and subject-matter data have been added certain items concerning the availability of each film--borrow, rent, and purchase instructions and information concerning its availability for television exhibition.

This is, of course, an overly simplified explanation of the preparation of the catalog. Many additional steps were taken in the compilation of the information, in the checking of the accuracy and authenticity of such information, and in the cataloging process itself. Such steps need not be described--they can be inferred--except to say that the Office of Education has attempted to provide in this catalog an accurate and complete listing--as of July 1, 1960--of all U.S. Government motion pictures and filmstrips then available for public educational use within the United States.

## U. S. GOVERNMENT FILMS AND FILM SERVICES

Motion pictures and filmstrips of the United States Government are made to be used in the administration and execution of specific programs authorized by Congress, such as the prevention of forest fires, the training of military personnel, or the control of communicable diseases. This is a basic concept--that films support programs--which underlies an understanding of the production, distribution, and use of Government films. It is most significant that there are today no specific appropriations of funds to any Government agency specifically for the production and use of films; yet nearly every agency is using films in its program activities.

Basically, the Government uses films in four different ways: (1) in recording data of aeronautical experiments, plant growth, gunnery tests, and the like; (2) in the education and training of Government personnel, military and civilian; (3) for the information and education of public groups in the United States; and (4) in information and education programs outside the United States.

In addition to these uses of films, the Government provides a number of film services--card cataloging of films, Government and non-Government, by the Library of Congress; copywriting of films, also through the Library of Congress; film research studies such as those conducted at Pennsylvania State University with Army and Navy funds; preparation of film bibliographies on child development, mental health, or atomic energy; assistance in the export of films through studies of foreign markets, fostering international agreements, and the issuance of special catalogs; providing film producers with stock footage on atomic energy or agriculture or other subjects.

### From film to audience

Films of the United States Government, being made to be used in the administration and execution of specific programs, are designed for definitive audiences. These purposes and audiences determine the particular methods of their distribution.

There are three ways in which Government films can reach audiences in the United States: (1) theatrical exhibition in movie theatres; (2) television to home audiences; and (3) non-theatrical use in schools, clubs, industry, unions, etc.

These three methods of film distribution, of course, are used not only by Government agencies but by all film producers and distributors. Their relative value depends upon the nature of a film, the composition of the film's audience, and the intended effect of the film upon its audience.

In general, theatrical and/or television exhibition of U.S. Government films is deliberately used only for those films aimed at large non-selective audience, e.g., the Smokey Bear shorts on forest fire prevention, recruiting messages of the Armed Forces, or an explanation of the most recent changes in social security benefits.

Most Government films, as evidenced from the film descriptions in this catalog, are too specialized for the heterogeneous audiences in movie theaters or before television screens in homes. What is the audience for a film explanation of diseases in hogs? Or the intramedullary fixation of the femur? Or rough-facing, boring, and turning a shoulder on the vertical boring mill? Such films, quite obviously, are for specialized nontheatrical audiences.

Television

Despite the fact that most Government films are too specialized for television audiences, all agencies today recognize the importance of this method of distributing their films and reaching audiences through "long-range" projection. Looking not only at today's needs but also to future possibilities and developments, most agencies producing films today are automatically clearing them for television use. Of the motion pictures listed in this catalog, approximately a third may be used on television. All such films are identified by the notation "Cleared for tv."

The conditions under which such films may be televised and the restrictions upon such use vary with different agencies, but in general the following provisions apply to the television exhibition of Government films:

1. The films must be televised in their entirety, including credit titles. Some agencies permit minor deletions to be made, if necessary because of program time limitations, if such deletions do not alter the basic content and integrity of the film.

2. The films must be televised continuously from beginning to end except for routine "breaks" for station identification. They shall not be broken for advertisements.

3. The films may be used only on sustaining programs. Some agencies permit their films to be used on sponsored programs but specify that such use shall not constitute endorsement by the Government of the program, sponsor, product, or station.

Any institution or group wishing to use a Government film on television should write to the particular agency owning the film for its specific conditions governing such use.

Nontheatrical film distribution

There are today almost as many ways of distributing Government films nontheatrically as there are Government agencies with such films. The Department of Agriculture, for example, distributes on a free loan basis its forestry films from the regional offices of the Forest Service; its soil conservation films from State offices of the Soil Conservation Service; two films on crop insurance through State offices of the Federal Crop Insurance Corporation; film on farm credit and cooperatives through the Farm Credit Administration; and some films from the USDA Motion Picture Service in Washington. The Department also distributes its films upon a service-charge or rental basis through 70 depository film libraries located mainly in State agricultural extension offices and in land-grant colleges and universities. Then, too, USDA films are distributed upon a sales basis--motion pictures through United World Films, Inc., New York; filmstrips through Photo Lab Inc., Washington. And, of course, films which are purchased are, in turn, distributed on various loan and rental bases by school, university, public, commercial, and other film libraries.

Here, in a single agency, is the use of practically all methods of nontheatrical film distribution. The one exception is that of "sponsored film" distribution, i.e., the use of a commercial company to distribute films with the cost of such distribution being paid by the sponsor. This method, commonly used by industry, has seldom been employed by the Government.

Generally speaking, Government agencies use several different methods in distributing, nontheatrically, their films throughout the United States--as described above for the Department of Agriculture. In so doing, the Government is following the same pattern as most educational and industrial film producers who use, in variation and combination, different loan, rental, and sales outlets.

Loan by Government offices

Little explanation needs to be made of this method of distributing Government films. It resembles the "free copy" distribution of Government publications with the particular agency lending, upon request, its films for use by a school, community group, technical society, etc. The borrower agrees to use the film in its entirety, to charge no admission, to return the film promptly, to pay transportation costs, and to pay for any damage to the film. Some agencies restrict the use of their films to particular audiences--medical films to professional groups, for example--and in general all agencies give priority to applicants representing the segment of the U.S. public for whom the film was made.

The Armed Forces, in lending films to the public, make a distinction between public information films and internal training films. The former may be borrowed from the appropriate Army, Navy, and Air Force installations. The latter, having been made for the training of Armed Forces personnel, are used primarily for such purpose and are not generally loaned to the public. Instead, they have been made available for sale. In certain instances, if a film is not being used for military training, the Armed Forces installation will lend it to educational institutions.

## Loan through depository libraries

Instead of lending films directly to the public, some Government agencies use a system of "depository libraries" whereby they furnish to established 16mm film libraries throughout the country prints of their films on a long-term loan, and these film libraries distribute the prints so deposited to their regular clientele within a city or state or region. To a certain extent, the term "loan" is a misnomer, for these depository libraries usually make a "service charge" to film borrowers and in some instances charge their prevailing rental rates. Such variations in charges among depository libraries are due to differences in their own policies and also to differences among Government agencies in the terms of their agreements with depository libraries.

In addition to "depository" film libraries, there are a number of 16mm libraries which have purchased prints of Government films and distribute these prints on a loan or rental basis. And, of course, many of the depository libraries have purchased additional prints in order to meet the demand for particular Government films.

## Sale by Government agencies

There is no Government agency, like the Government Printing Office in the field of publications, which has the authority and resources to make and sell prints of all Government films. Certain agencies, such as the Department of Agriculture and the Department of the Army, do have authority to sell, at cost, prints of their films. But generally the sale of films by Government agencies is negligible.

## Sale by commercial companies

To a very large extent, the sale of U.S. Government films is now handled by United World Films, Inc. under a competitive bid contract GS-00S-30700, awarded by the General Services Administration. Some agencies have placed their films on sale through the film laboratories in which the film negatives are stored, e.g., the Fish and Wildlife Service and the Office of Civil Defense Mobilization. Other agencies, notably the Department of Agriculture in the sale of its filmstrips, have contracts with other film distributors. With these few exceptions, United World Films handles the sale of U.S. Government films.

## Primary and auxiliary distribution methods

It is helpful, sometimes, to classify the distribution methods used by particular agencies as "primary" and "auxiliary." The terms are almost self-explanatory. The Department of Agriculture, for example, distributes its films primarily through its field offices and depository libraries, but it also uses an auxiliary method--that of the sale of prints--in order to make available to interested individuals and groups additional prints for which the Department itself has insufficient funds. The Office of Education, on the other hand, uses sale as its primary means of distribution since in appropriating funds for the production of USOE training films, Congress did not provide funds for distribution prints (and even specified that the production cost of the films should be amortized from the sale of prints). Then, again, the U.S. Information Agency in its overseas programs uses loan as its primary method of distribution, but in the United States its films are available only through sale--its primary method of distribution in the United States.

## Foreign use

Practically all of the films listed in this catalog may be used in other countries. Some of them are being distributed overseas by such agencies as the U.S. Information Agency and the International Cooperation Administration which have operating programs in foreign countries. Prints of many of the films have been purchased by institutions and organizations in other countries, particularly the English-speaking countries of Australia, Canada, and New Zealand. Some of the films have been translated into Danish, Dutch, French, Italian, and other languages and used in the European recovery programs.

With rare exceptions, Government agencies other than those with overseas programs do not lend their films for use outside the United States. Foreign users must purchase prints of the films from the sources indicated in this catalog. As an aid to the importation of films into many countries, the U.S. Information Agency has issued Educational Certificates for many of the films in this catalog. Also as an aid to the foreign use of films, the Office of Education, the Department of Agriculture, and certain other Government agencies now permit, subject to certain conditions, their films to be magnetically striped, foreign-language translations of the commentaries to be recorded thereon, and the resultant foreign-language prints to be used. Information concerning the conditions of such use can be obtained from the U.S. Information Service at the U.S. Embassies in other countries or from the U.S. Office of Education, Washington 25, D.C.

## Summary

This is a very brief summary of the film programs and services of the United States Government. They are many and varied, ranging from the photographic recording of scientific test data and the copyrighting of commercial films to the production and use of films in the administration and execution of substantive programs authorized by Congress.

# A

**The AACS story** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
19 min., sd., color, 16 mm.
Order no. SFP 618.
Revision of the 1956 motion picture of the same title.
*Summary:* Depicts the scope and mission of the Airways and Air Communications Service.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**AAF comes of age** (*Motion picture*) U. S. Army Air Forces, 1946.
54 min., sd., b&w, 16 mm.
Order no. SFP 200.
*Summary:* Historical record of the development and role of the U. S. Army Air Force in World War II. Includes combat scenes and closes with the dropping of the atomic bombs upon Japan.
*Borrow from* AF. *Buy from* UWF.

**AAF special delivery** (*Motion picture*) U. S. Army Air Forces, 1946.
13 min., sd., b&w, 16 mm.
Order no. SFP 225.
*Summary:* Shows varied means of delivery made by the U. S. Air Force in war and peace, the atomic bombing of Japan, and the U. S. Air Force participation in the first Bikini tests.
*Borrow from* AF. *Buy from* UWF.

**The ABC of G** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Associated Screen News. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., color, 16 mm.
Order no. MN 3446.
*Summary:* Explains the effect produced by accelerative force (measured in G's) upon the blood in the body; shows testing equipment used to determine how soon a subject greys out, blacks out, or reds out; and stresses keeping the body in good condition.
*Borrow from* Navy. *Buy from* UWF.

**ABC warfare defense ashore: Biological and chemical decontamination; exteriors** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
14 min., sd., b&w, 16 mm.
Order no. MN 7984–g.
*Summary:* Reviews the procedures for treating both gas-contaminated and germ-contaminated outdoor areas, including marked areas, filling decontamination truck and mixing chemicals, treatment of surfaces, hand spraying with DANC, emergency use of bleach, and checking decontamination results.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Biological warfare decontamination; interiors** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
6 min., sd., b&w, 16 mm.
Order no. MN 7984–f.
*Summary:* Illustrates the special procedure for decontaminating interiors in biological warfare, including marking suspected buildings, preparation of interiors, and use of decontaminant fog of formaldehyde solution diluted with methanol.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Biological warfare decontamination; personal equipment** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
8 min., sd., b&w, 16 mm.
Order no. MN 7984–h.
*Summary:* Describes the decontamination of clothing and personal gear on a large scale with ethylene oxide and carboxide, small scale use of chlorine bleaching solution and decontamination of gas masks and cannisters.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Biological warfare decontamination; personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
10 min., sd., b&w, 16 mm.
Order no. MN 7984–e.
*Summary:* Shows the use of masks and the decontamination facilities of permanent and portable shelters and of outdoor temporary cleansing stations. Details the timetable shower required.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Chemical warfare decontamination; personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
13 min., sd., b&w, 16 mm.
Order no. MN 7984–i.
*Summary:* Stresses the importance of gas masks as a first line of defense against blister and nerve gases, and the use of ointments and atropine in aid kits. Illustrates permanent, portable, and outdoor personal decontamination facilities and the timetable shower required.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Detection of contaminated areas in biological and chemical warfare** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
14 min., sd., b&w, 16 mm.
Order no. MN 7984–c.
*Summary:* Shows procedure for detection of areas contaminated by chemical warfare agents, particularly blister gases, and the use of a biological warfare field sampling kit for detection of germs.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
18 min., sd., b&w, 16 mm.
Order no. MN 7984–a.
*Summary:* Reviews in general terms the elements of shelter, equipment, and training making up a passive defense program for naval shore installations against atomic, biological, and chemical warfare attack. Defines class one, class two, single-purpose type, and hasty shelter; and urges the desirability of advance planning and organization.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Protection shelters** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
16 min., sd., b&w, 16 mm.
Order no. MN 7984–b.
*Summary:* Describes and illustrates four basic types of shelters including class one shelter areas in existing buildings; class two shelters for the majority of personnel; single purpose shelters; and hasty type slit trenches and fox holes. Indicates equipment and facilities of various types of shelters against atomic, biological, and chemical warfare attack on a naval shore installation.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Protective clothing for decontamination personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.
12 min., sd., b&w, 16 mm.
Order no. MN 7984–d.
*Summary:* Illustrates in detail the procedure for dressing in the special protective clothing required for personnel assigned to detection, decontamination, and cleanup work in the event of atomic, biological, and chemical warfare attacks.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Rescue operations; lifting devices, shoring** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.
17 min., sd., b&w, 16 mm.
Order no. MN 7984–k.
*Summary:* Shows proper rescue operations and the use of machine and hand tools in the handling of casualties, broken gas and water lines, electrical conductors, damaged buildings, and rubble. Demonstrates the construction and application of various kinds of shores.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**ABC warfare defense ashore: Rescue operations; rigging, breaching walls, tunneling** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.
18 min., sd., b&w, 16 mm.
Order no. MN 7984–l.
*Summary:* Shows the construction and use of various types of rigging, and demonstrates how to breach walls and construct a tunnel in typical rescue operations.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The ABC's of briefing** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. TF 1–5254.
*Summary:* Demonstrates methods of preparing and presenting effective briefings; emphasizes the importance of accuracy, brevity, and clarity as the ABC's of good briefing.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The ABD: Wing raising by the floatation method** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

10 min., sd., b&w, 16 mm. (Floating drydocks series)

Order no. MN 1794–d.

*Summary:* Describes the construction of the ABD (advanced base dock) and demonstrates by animation the raising of its wings by the floatation method.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The AN/TCC–7 system. Part 2: Initial adjustments of carrier telephone terminal** (*Motion picture*) U. S. Dept. of the Army, 1958.

23 min., sd., b&w, 16 mm.

Order no. TF 11–2696.

*Summary:* Shows the step-by-step procedures for making the initial adjustments on the carrier telephone terminal of the AN/TCC–7 system, including adjustments of terminal plate voltage; test circuit; transmit circuit of the order wire panel; signal path of message channels; transmitted line-up frequencies; and 600 volt power supply.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**ARDC, special staff film report** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

23 min., sd., color, 16 mm.

Order no. SFP 377.

*Summary:* An explanation of the Air Research and Development Command, including such projects as B–52 long range bomber, thrust reversal for jet fighter, experiments in downward ejection, solar generator, rocket sled experiments, and matador pilotless bomber.

*Borrow from* AF. *Cleared for tv.*

**ARDC special staff film report no. 4** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

23 min., sd., color, 16 mm.

Order no. SFP 427.

*Summary:* Describes research developments in high speed aerial refueling, crash locator beacon, shock wave, human centrifuge, new wing tanks for B–52, universal resuscitator, XH 17 research helicopter, liquid in-flight feeding, survey of jet aircraft noise, snark guided missile, and study of solar activities.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**ARDC staff film report, no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

16 min., sd., color, 16 mm.

Order no. SFP 463.

*Contents:* Pantobase snow tests.—Probe and drogue refueling.—YC–130 drop tests.—Droppable wheels for F–101A Voodoo.—Rocket sled tests of rain effects.—C–133A cargo transport.—Helicopter use in fire fighting.—First flight of the KC–135 Stratotanker.—Project "Smart" supersonic military air research track.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**ARDC staff film report, no. 6** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

22 min., sd., color, 16 mm.

Order no. SFP 475.

*Contents:* B–52 flight simulator.—Supersonic escape test.—Mercury-arc night photo reconnaissance.—XH–40 helicopter.—Ground safety crash tests.—KC–135 jet tanker.—C–130 ski-wheel tests.—Radiation protection.—Runway ejection tests.—"Hotshot" wind tunnel.—B–58 supersonic bomber.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**ASTIA: Armed Services Technical Information Agency** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

15 min., sd., color, 16 mm.

Order no. SFP 621.

*Summary:* Outlines the scope and mission of the Armed Services Technical Information Agency, points out its importance to our research and development program, and discusses procedures for utilizing ASTIA services.

*Borrow from* AF *Buy from* UWF. *Cleared for tv.*

**Abandon ship** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Wilding Picture Productions. Released for educational use through U. S. Office of Education, 1949.

32 min., sd., b&w, 16 mm.

Order no. MN 1145.

*Summary:* Explains how to abandon a ship, escape through oil and gas, use emergency flotation tactics, rescue others, and defend self against predatory marine life.

*Borrow from* Navy. *Buy from* UWF.

**Abdominal aortic aneurysm replacement with nylon graft** (*Motion picture*) U. S. Veterans Administration, 1957.

12 min., sd., color, 16 mm.

*Summary:* Demonstrates a technique for the resection of an aortic abdominal aneurysm with replacement by a chemically treated, bifurcated prosthesis. Emphasis is placed on the suturing technique which is illustrated by diagrams.

*Borrow from* VA. *Buy from* UWF.

**Abdominal colostomy closure (Pauchet method)** (*Motion picture*) U. S. Dept. of the Army, 1947.

9 min., sd., color, 16 mm.

Order no PMF 5002.

*Summary:* Demonstrates a case of a well-functioning colostomy of double loop type located on the left side in the sigmoid colon; describes the method used to accomplish closure, and necessary precautions to be observed. For medical personnel.

*Borrow from* Army.

**Aberdeen proving ground** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

27 min., sd., b&w, 16 mm.

Order no. FB 9–238.

*Summary:* Discusses the functions and operations of the Ballistics Research Laboratory, Development and Proof Services, the Ordnance School, and the Aberdeen Ordnance Depot at Aberdeen Proving Ground, Maryland.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**About faces** (*Motion picture*) U. S. Public Health Service, 1941. Made by Sound Masters.

10 min., sd., b&w, 16 mm.

*Summary:* Emphasizes the importance of good teeth, particularly in relationship to one's appearance; and of care of the teeth, particularly the necessity of regular visits to a dentist.

*Borrow from* PHS.

**About rumors** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.

15 min., sd., color, 16 mm.

Order no. FN 7437 or AFIF 41.

*Summary:* Explains through the use of cartoons the harmful effects of rumors and describes what they are, how they start, and why they spread. Prepared for use by U. S. Armed Forces personnel.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Absent without leave and desertion** (*Motion picture*) U. S. Dept. of the Army, 1948.

33 min., sd., b&w, 16 mm.

Order no. TF 19–1482.

*Summary:* Presents dramatized situations concerning soldiers absent without leave and emphasizes the effects of AWOL and desertion on the individual as well as to his outfit.

*Borrow from* Army.

**Accessory assembly series. Tools and procedures**
see
**Hand soldering**
**High frequency soldering**

**Accident prevention aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Fletcher Smith Studios.

9 min., sd., color, 16 mm.

Order no. MN 6939.

*Summary:* An animated cartoon caricaturing typical accidents aboard ship to point out the importance of developing attitudes of safety.

*Borrow from* Navy.

**Across-the-line starters** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

15 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 2)

Order no. OE 389.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Theory and operation of a manually operated thermal overload switch; a magnetically operated across-the-line starter; a drum reversing switch for a three-phase motor; and a magnetic reversing switch.

*Buy from* UWF.

**Across-the-line starters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

37 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 2)

Order no. OE 389–fs.

Supplements motion picture of same title.

With instructor's manual.

*Buy from* UWF.

**Acrylic jacket crown construction** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

35 min., sd., color, 16 mm.

Order no. MN 5371.

*Summary:* Preparation of tooth for a jacket crown; laboratory work in preparation of the crown; fitting and polishing the crown. For dental personnel.

*Borrow from* Navy. *Buy from* UWF.

**Action at Anguar** (*Motion picture*) U. S. War Dept., 1945.

27 min., sd., b&w, 16 mm.

Order no. MF 40–1128.

*Summary:* Pictorial record of the capture of Anguar in the Pacific by the U. S. Army's 81st Infantry Division.

*Borrow from* Army.

**Action of the extra-ocular muscles** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

8 min., sd., color, 16 mm.

Order no. MN 3483.

*Summary:* Illustrates the structure and function of the extra-ocular muscles, and identifies latent paresis and paralysis in the diagnosis of typical muscle effects.

*Borrow from* Navy. *Buy from* UWF.

**Activated sludge plant with vacuum filtration and incineration** (*Filmstrip*) U. S. Public Health Service, 1950.

75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Municipal sewage treatment plants, no. 4)

Order no. 5–160.

Made principally from pictures in the slide sets released under the titles, Activated sludge process (order no. 9–003.5), and Vacuum filtration and incineration process (order no. 9–033.6)

*Summary:* Explains through schematic diagrams and photographs details of activated sludge and vacuum filtration units as applied to sewage treatment plants.

*Borrow from* PHS. *Buy from* UWF.

**Activities of the U. S. Coast and Geodetic Survey** (*Motion picture*) U. S. Coast and Geodetic Survey, 1953.

22 min., sd., color, 16 mm.

*Summary:* Portrays the activities of the U. S. Coast and Geodetic Survey, including geodesy, hydrography, photogrammetry, magnetic observation, and other activities.

*Borrow from* CGS.

**Activity for schizophrenia** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

25 min., sd., b&w, 16 mm.

*Summary:* Explains how modern (1950) concepts of activity are applied to distinctive needs of schizophrenic patients; shows particularly how corrective therapists under the guidance of psychiatrists motivate patients from lower levels of activity to more socialized areas by establishing strong interpersonal relationships through the sensory appeal of intensified physical activities.

*Borrow from* VA. *Buy from* UWF.

Activity for schizophrenia
see also
Road to reason

**Adding or removing refrigerant** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 4)

Order no. OE 441.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to check a domestic refrigeration system for lack of refrigerant; add refrigerant by weight; add an unmeasured amount of refrigerant; and remove refrigerant.

*Buy from* UWF.

**Adding or removing refrigerant** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

52 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 4)

Order no. OE 441–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight, including studies of various tethered landing techniques** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

12 min., si., color, 16 mm.

*Summary:* Shows test techniques and graphically illustrates the results of several flights of a model of an unswept-wing vertically rising airplane in a free-flight tunnel investigation to determine stability and control characteristics for the hovering condition and to study the behavior of the model in landings made by various techniques involving the use of lines for pulling the model in for a landing. The model is essentially a conventional airplane model with a large dual-rotating propeller and sufficient power to take off and land vertically and with conventional controls operating in the propeller slipstream. For technical personnel, to be used with NACA Research memorandum L51 I 07a: Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight including studies of various tethered landing techniques.

*Borrow from* NASA.

**Adjusting and checking the expansion valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

21 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 7)

Order no. OE 444.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Design and operation of the bellows type and the diaphragm type automatic expansion valves; and how to adjust, check, and service the bellows type valve.

*Buy from* UWF.

**Adjusting and checking the expansion valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

49 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 7)

Order no. OE 444–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Adjusting & repairing the thermo expansion valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

12 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 1)

Order no. OE 448.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Theory of multiple refrigeration systems; how to test and adjust the thermo expansion valve; recognize symptoms of trouble in the valve; and service the valve.

*Buy from* UWF.

**Adjusting & repairing the thermo expansion valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
38 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 1)
Order no. OE 448–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Adjusting commercial thermostatic controls** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
12 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 3)
Order no. OE 450.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to adjust the thermostatic motor control, the thermo two-temperature valve, and the thermo water valve.
*Buy from* UWF.

**Adjusting commercial thermostatic controls** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
39 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 3)
Order no. OE 450–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Adjusting mechanical brakes** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
21 fr., b&w, 35 mm.
Order no. SN 1995.
Revision of 1942 filmstrip with same title, order no. SN 180.
*Summary:* Demonstrates preliminary checking of brake system; adjusting the brakes; and final adjustments of the brake hook-up. For aircraft mechanics training.
*Borrow from* Navy. *Buy from* UWF.

**Adjusting pressure actuated temperature control devices** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
15 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 2)
Order no. OE 449.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Purpose of pressure actuated temperature control devices; how to adjust the pressure actuated motor control; and adjust the metering type and snap-action two-temperature valves.
*Buy from* UWF.

**Adjusting pressure actuated temperature control devices** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.
47 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 2)
Order no. OE 449–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Adjusting the Le Tourneau power control unit** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
11 min., sd., b&w, 16 mm. (Operator's adjustments, D–7 tractor, no. 1)
Order no. TF 5–1774.
*Summary:* Explains the common causes of trouble in the power control unit and how to recognize and correct them. Shows in detail the steps in adjusting the brake, spacing the main gear, and adjusting the clutch.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Adjusting valves** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
35 fr., b&w, 35 mm.
Order no. SN 169.
*Summary:* An aircraft maintenance demonstration film which shows recommended procedures for checking and adjusting valves and a method of emergency repair of a valve failure when no spare parts are available.
*Borrow from* Navy. *Buy from* UWF.

**Adjustment to military life** (*Motion picture*) U. S. Dept. of the Army, 1954.
18 min., sd., b&w, 16 mm.
Order no. MF 45–8288.
*Summary:* A veteran sergeant, who is shocked at the ineptness of his trainee platoon, reminisces about his own development from a newly inducted recruit into a well-trained soldier.
*Borrow from* Army. *Cleared for tv.*

**Adjustments after check flight** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 261.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Causes of nose-heaviness, tail-heaviness, yawing, torque tendency, rough propeller, and ground looping; how to determine the particular causes of these troubles and make necessary adjustments.
*Buy from* UWF.

**Adjustments after check flight** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
47 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 261–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Administration of drugs** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
10 min., sd., b&w, 16 mm.
Order no. FTA 367.
*Summary:* Demonstrates procedures for oral, rectal, and intravenous administration of drugs.
*Borrow from* AF.

**Admiral Burke takes command** (*Motion picture*) U. S. Dept. of the Navy, 1955.
12 min., sd., b&w, 16 mm.
Order no. MN 8344.
*Summary:* Presents portions of the change of command speeches at Annapolis, in August 1955, by the Secretary of the Navy, Admiral Carney, and Admiral Burke, as Admiral Burke is sworn in as new Chief of Naval Operations.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Admiral Carney passes the word** (*Motion picture*) U. S. Dept. of the Navy, 1955.
12 min., sd., b&w, 16 mm.
Order no. MN 8111.
*Summary:* Admiral Robert B. Carney appears on a ship's bridge and talks about the U. S. Navy and its responsibilities throughout the world.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Admiralty Islands** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.
16 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR–A–8.
*Summary:* Historical report of the capture of the Admiralty Islands north of New Guinea by the American 1st Cavalry Division during World War II.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Adult education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.
22 min., sd., b&w, 16 mm.
*Summary:* Portrays evening classes being held in Bryant School, Woodside, Long Island, N. Y., and explains the benefits derived by adults who attend such evening schools in the United States. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Advance base waterfront construction: Timber piers** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by International Movie Producers' Service. Released for public educational use through U. S. Office of Education, 1954.
18 min., sd., b&w, 16 mm.
Order no. MN 7488–a.
*Summary:* Demonstrates the construction of a timber pier including the planning, methods, tools, and equipment which are required.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Advanced helicopter flight principles, part 1** (*Motion picture*) U. S. Dept. of the Army, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 46–2210.
*Summary:* Discusses the characteristics and movements of the rotor blades at various speeds, underscoring the importance of symmetrical airfoil design for helicopter stability; illustrates movements in the fully articulated and semi-rigid types of rotor heads, pointing up the relationship of the aerodynamic phenomena and flight; reviews the principal stabilizing and dampening devices used to integrate control and rotor movements.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Advanced helicopter flight principles, part 2** (*Motion picture*) U. S. Dept. of the Army, 1956.
11 min., sd., b&w, 16 mm.
Order no. TF 46–2211.
*Summary:* Discusses the effects of air movements on flight, the utilization of and adjustment of those air movements, and the need to create air movements for flight; explains airflow patterns from takeoff through flight, glide and landing, hovering, translational climb, directional flight, autorotational glide, and landing. Emphasizes that proper application of flight principles and proper maintenance are necessary for efficient helicopter performance.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Advanced helicopter flight training. Part 1: Confined area operations** (*Motion picture*) U. S. Dept. of the Army, 1957.
27 min., sd., b&w, 16 mm.
Order no. TF 46–2421.
*Summary:* Illustrates landing and takeoff procedures in confined areas of operations, taking into account wind and turbulence, high and low reconnaissance, ground reconnaissance, pinnacle operations, contour approach, road operation, and slope operation.
*Borrow from* Army.

**Advanced typing: Duplicating and manuscript** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
26 min., sd., b&w, 16 mm.
Order no. MN 1512–d.
*Summary:* How to make masters for duplicating machine use; correct mistakes on a stencil when using hectograph ribbons or carbon; use an electromatic hectograph machine and various other types of duplicating machines; and type manuscripts with footnotes.
*Borrow from* Navy.

**Advanced typing: Shortcuts** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
35 min., sd., b&w, 16 mm.
Order no. MN 1512–c.
*Summary:* How to use tab stops, tab bar, and decimal tabulator key; handle carbon packs; make erasures; insert missing words and letters; remove extra words and letters; type cards, envelopes, and labels; and draw vertical and horizontal lines.
*Borrow from* Navy.

**Adventures of Junior Raindrop** (*Motion picture*) U. S. Dept. of Agriculture, 1948.
8 min., sd., color, 16 mm.
With teacher's guide.
*Summary:* An animated cartoon, prepared primarily for school use on a raindrop's visit to earth, showing that raindrops, like children, can become delinquent when their welfare is neglected. Through "live-action" scenes portrays the results of poor and good watershed management.
*Rent from* DA film libraries. *Buy from* UWF.

**Aedes aegypti survey techniques** (*Filmstrip*) U. S. Public Health Service, 1957.
82 fr., color, 35 mm.
Order no. FS 290.
*Summary:* Shows techniques and procedures used in an actual Aedes aegypti survey, including orientation and briefing of mosquito control personnel before the survey, selection of areas to be sampled, types of equipment used, various habitats of Aedes aegypti, and larvae sampling and adult collecting.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**Aerial firepower** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., color, 16 mm.
Order no. SFP 552.
Revision of the 1955 motion picture of the same title.
*Summary:* Portrays a demonstration of aerial firepower at Eglin Air Force Base, Florida. Shows modern aircraft delivering rockets, missiles, and napalm bombs. Emphasizes the accuracy with which U. S. Air Force aircraft can pin-point this firepower.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Aerial freight delivery series
see
Cargo dropping
Cargo retrieving
Cargoing and loading

**Aerial map reading** (*Motion picture*) U. S. Navy Dept., 1944. Made by Springer Pictures. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
23 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–m.
*Summary:* Explains how to read aerial maps and use landmarks and features in finding a position. Briefly touches on changing seasons, features to look for at sea, night flying, and flying when lost. Plots a course from Corpus Christi to Sabine Pass, and determines ETA (estimated time of arrival) using landmarks in the demonstration.
*Borrow from* Navy.

**Aerial navigation: Dead reckoning** (*Motion picture*) U. S. Dept. of the Air Force, 1950.
40 min., sd., b&w, 16 mm.
Order no. TF 1–4640.
*Summary:* Demonstrates the procedure involved in a typical navigation training mission by dead reckoning, and explains the use of various instruments.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aerial navigation: Map reading** (*Motion picture*) U. S. Army Air Forces, 1945.
21 min., sd., b&w, 16 mm.
Order no. TF 1–3460.
*Summary:* Demonstrates the procedure to be followed by a navigator in charting the course of his aircraft.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Aerial navigation series
see
Aerial sextant, type A-7
Air swinging and curve data for the SCR-269-ACG
Celestial instruments. Part 2: Aerial sextants
Celestial sphere and time. Part 2: Celestial sphere
Dead reckoning instruments. Part 1: Driftmeters
Elementary dead reckoning. Part 1: Earth's surface
Interpretation of a single "lop"
Operation of the astro-compass
Radio navigation. Part 1: Introduction and aids to radio navigation
Radio navigation. Part 3: Radio bearings
Secondary uses of the astro-compass

**Aerial setxant, type A-7** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
43 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-412.
*Summary:* Describes the construction of the A-7 sextant and tells how to operate and care for it.
*Borrow from* AF.

**Aerial traffic patterns** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
47 fr., b&w, 35 mm.
Order no. FS 1-70.
*Summary:* Depicts the aerial traffic patterns used by the U. S. Army Air Forces in its pilot training program.
*Borrow from* AF.

**Aerial tramway** (*Motion picture*) U. S. Dept. of the Army, 1951.
20 min., sd., b&w, 16 mm.
Order no. MF 7874.
*Summary:* Shows the construction and operation of an aerial tramway to eliminate "bottlenecks" at landings where supplies for the Army are loaded and unloaded.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Aero medical research** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
25 min., sd., color, 16 mm.
Order no. SFP 390
*Summary:* Describes the intensive research program at ARDC's Aero Medical Laboratory, Wright Air Development Center; and illustrates the role of aero medical specialists through actual tests and research necessary for an F102 pilot to withstand the rigors of high speeds, high altitudes, and intricate maneuvers.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aerobee** (*Motion picture*) U. S. Dept. of Defense, 1951.
7 min., sd., b&w, 16 mm.
On reel with Independence Day, 175th anniversary.
Order no. AFSR 135.
*Summary:* Explains how knowledge of the stratosphere has been increased through research conducted with the rocket missile, the "aerobee."
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Aerodynamics** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
59 fr., b&w, 35 mm.
Order no. FS 1-8.
*Summary:* Describes the motion of air and the force it exerts upon moving solids; explains the way in which turbulence and skin friction oppose useful dynamic reaction.
*Borrow from* AF. *Buy from* UWF.

**Aerodynamics: Air flow** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.
18 min., sd., b&w, 16 mm.
Order no. TF 1-160.
*Summary:* Explains turbulence and skin friction through the visualization of smoke flowing over solids of different shapes and forms. Also defines, through the use of smoke streams, angle of attack, point of stall, drag, and lift.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aerodynamics: Forces acting on an air foil** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.
27 min., sd., b&w, 16 mm.
Order no. TF 1-161.
*Summary:* Theory and principles of the forces acting on airfoils; lift, drag, angle of attack, and wing chord; development and use of wind tunnels to measure forces on a wing form; relationship between lift, drag, wing area, wind velocity, thrust, and weight.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aerology** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
91 fr., b&w, 35 mm. (Navy quiz, no. 2)
Order no. SN 2542-b.
*Summary:* Explains basic cloud shapes and presents multiple choice questions dealing with the type and meaning of cloud shapes at various altitudes, meaning of weather symbols, and other subjects relating to aerology.
*Borrow from* Navy.

Aerology series
see
Air masses and fronts
The cold front
Flying the weather map
Fog
Fog and low stratus clouds
Ice formation on aircraft
The occluded fronts
The warm front
Weather and radar

**Aerology (thunderstorms) Part 1: Formation and structure of thunderstorms** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.
17 min., sd., b&w, 16 mm.
Order no. MN 7409-a.
*Summary:* Explains the relationship of moist air, heat, and conditionally unstable air; conditions for frontal types of storms and their frequency; and the structure of thunderstorms.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Aerology (thunderstorms) Part 2: Flight techniques with respect to thunderstorms** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.
15 min., sd., b&w, 16 mm.
Order no. MN 7409-b.
*Summary:* Demonstrates essential flight techniques with respect to thunderstorms, and discusses desirable airspeeds for penetration, desirable altitudes, methods of storms, detection of storms, techniques of plane control, flight through hail, and landing procedures.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Aeromedical evacuation** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
38 min., sd., b&w, 16 mm.
Order no. TF 1-4833.
*Summary:* Shows the many details of behind-the-scene operations involved in bringing wounded personnel back to the United States and to hospitals near their homes. Explains the function of the Military Air Transport Service.
*Borrow from* AF. *Cleared for tv.*

**African trypanosomiasis** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1953.
16 min., sd., color, 16 mm.
Order no. MN 6839.
*Summary:* Explains the etiology, epidemiology, symptomatology, diagnosis, treatment, prognosis, prevention, and control of African trypanosomiasis (sleeping sickness) Primarily for medical personnel.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The aggressor force** (*Motion picture*) U. S. Dept. of the Army, 1950.
26 min., sd., b&w, 16 mm.
Order no. TF 30–1543.
*Summary:* Portrays U. S. soldiers acting as the "aggressor force" in troop maneuvers and a tactical operation to free a town from this aggressor force.
*Borrow from* Army. *Cleared for tv.*

**Agricultural engineering—the profession with a future** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.
14 min., sd., color, 16 mm.
*Summary:* Describes the work of engineers who seek practical solutions to the problems of food and fiber production and processing. Includes scenes of pineapple and sugar-cane harvesting in Hawaii, the new Teflon plow, and interior views of a cotton spindle picker and an ensilage harvester in operation.
*Rent from* DA film libraries. *Buy from* ASAE. *Cleared for tv.*

**The agriculture story** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
14 min., sd., color, 16 mm.
*Summary:* Reviews the development of American agriculture, and explains the services of the U. S. Dept. of Agriculture and the cooperative assistance rendered by land-grant colleges and universities, by State agencies, and by American industry.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Agriculture then and now** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.
101 double fr., b&w, 35 mm.
Order no. 707.
*Summary:* Contrasts various phases of agriculture in the United States 50 years ago with those of today (1953)
*Buy from* PhotoLab.

**Agua, amiga o enemiga** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Spanish version of Water, friend or enemy.
*Summary:* Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**A água: nosso amigo ou inimigo** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Portuguese version of Water, friend or enemy.
*Summary:* Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Ahead of 'em all** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts).
*Summary:* Explains the selection, care, and uses of cabbage. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

Aids to navigation series
see
Buoys and beacons
How to use navigational aids
Lighthouses and lightships

**Air brakes: Principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
25 min., sd., b&w, 16 mm.
Order no. TF 9–2064.
*Summary:* Explains the function of each unit in an air brake system, and traces the compressed air routes.
*Borrow from* Army. *Buy from* UWF.

**Air Force cameras in action** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. SFP 630.
*Summary:* Presents outstanding Air Force events of 1958, including nuclear tests, Projects Manhigh and Farside, space studies, the Lebanon crisis, an Air Force goodwill tour, and successful launchings of a hydrid Thor-Able missile and the Atlas ICBM.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force customs and courtesies** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
27 min., sd., b&w, 16 mm.
Order no. TF 1–5027.
*Summary:* Explains to a high-school graduate the various military customs and courtesies of the U. S. Air Force.
*Borrow from* AF. *Cleared for tv.*

**The Air Force engineer** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
29 min., sd., color, 16 mm.
Order no. SFP 346.
*Summary:* Describes duties of an Air Force engineer at base and staff levels.
*Borrow from* AF. *Cleared for tv.*

**Air Force firepower** (*Motion picture*) U. S. Dept. of Defense, 1951.
9 min., sd., b&w, 16 mm.
On reel with Italy.
Order no. AFSR 133.
*Summary:* A pictorial record of a demonstration by the U. S. Air Force of planes, bombs, and rockets.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Air Force flight test center** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
19 min., sd., color, 16 mm.
Order no. SFP 362.
*Summary:* Shows tests of planes, materials, and weapons, made at the Mojave Desert Flight Test Center and Edwards Air Force Base.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force fuel and facilities: Aviation fuel dispensing facilities** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
24 min., sd., b&w, 16 mm.
Order no. TF 1–5104c.
*Summary:* Explains the operating principles of hydrant fuel storage dispensing systems; traces the flow of fuel from base fuel storage tanks through strainers and fill line to operating tanks; and demonstrates the various steps fuel goes through in both the single-point and over-the-wing refueling systems.
*Borrow from* AF. *Cleared for tv.*

**Air Force fuel and facilities: Aviation fuel receipt and storage** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. TF 1–5104b.
*Summary:* Explains activities in the fuel receiving and storage area. Covers gauging of tanks, transfer of fuel from tank car to fuel tank; unloading of fuel from transport trucks, trailers, tanker ships, and barges; various types of vapor control; and safety precautions.
*Borrow from* AF. *Cleared for tv.*

**Air Force fuel and facilities: Aviation fuel supply and transportation** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
10 min., sd., b&w, 16 mm.
Order no. TF 1-5104a.
*Summary:* Outlines procedures for handling various types of aircraft fuel from the oil fields to the refinery and to the air base. Covers transportation of fuel by truck, railroad, and pipelines; general maintenance of oil lines; and coordination of fuel movement by the dispatcher.
*Borrow from* AF. *Cleared for tv.*

**The Air Force heavy press program** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
26 min., sd., b&w, 16 mm.
Order no. SFP 389.
*Summary:* Describes the development and use of heavy press programs since World War II; the construction of the enormous plants; and various forging and extrusion processes.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force industrial medicine in action** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
19 min., sd., color, 16 mm.
Order no. TF 1-8170.
*Summary:* Portrays the duties of an Air Force industrial medicine team as its members perform their important mission of maintaining productivity through the promotion of health and the prevention of illness.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force leave and pass policies** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
10 min., sd., b&w, 16 mm.
Order no. TF 1-5205.
*Summary:* Defines types of leaves and passes, explains pertinent regulations, and illustrates the role of the American Red Cross in eliminating unnecessary delays in obtaining emergency leave.
*Borrow from* AF. *Cleared for tv.*

**The Air Force missile mission** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
24 min., sd., color, 16 mm.
Order no. SFP 608.
*Summary:* Explains the current Air Force missile concept and points out why we have so many weapons, what they are for, and how their development serves a dual purpose as a present-day deterrent force and a foundation for future space travel.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 1** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 1.
*Summary:* Shows various Air Force activities including AF engineers renovating World War II bases in England, AF aiding flood-stricken Tampico, Mexico, and the training of Korean pilots and maintenance men.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 2** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 2.
*Summary:* Shows various Air Force activities including the landing of a C-124 Globemaster on an icecap, AF housing and recreation in Japan, noise abatement testing tunnels for jet aircraft, and a mobile dental clinic in the Far East.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 3** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 3.
*Summary:* Shows various Air Force activities including the B-52 jet bomber, the F-101 Voodoo and other aircraft, the testing of auxiliary wheels for new AF fighters, a USAF-RAF soccer game, and air base defense training.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 4** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 4.
*Summary:* Shows various Air Force activities including the ejection of a test pilot from an F-100 at low altitude, and a demonstration of the C-133A giant transport.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 5.
*Summary:* Shows various Air Force activities including a demonstration of air to ground gunnery in Germany, airmen sightseeing in Athens, a driving class for airmen in England, and an Armed Forces swimming meet in Brussels.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 6** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 6.
*Summary:* Shows various Air Force activities including a maneuver at Thule AF Base in Greenland, weather studies, a flying radar station, and a judo tournament at March AF Base in California.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 7** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 7.
*Summary:* Shows various Air Force activities including Japan's air defense, Matador launching exercises in Libya, a demonstration of the new XF-104, and airmen fishing in the Bay of Panama.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 8** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
13 min., sd., b&w, 16 mm.
Order no. AFNR 8.
*Summary:* Scenes of various Air Force activities.
*Borrow from* AF. *Cleared for tv.*

**Air Force news review, no. 9** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
13 min., sd., b&w, 16 mm.
Order no. AFNR 9.
*Summary:* Scenes of various Air Force activities.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 10** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 10.
*Summary:* Scenes of various U. S. Air Force activities, including survival schooling, airmen and families moving overseas, aerial tanker refueling three planes, assault capability of C-123, new houses for AF families, off-duty airmen riding broncos, and jets ferrying the Atlantic.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 11** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
14 min., sd., b&w, 16 mm.
Order no. AFNR 11.
*Summary:* Scenes of various U. S. Air Force activities, including a stress test of new planes, bestowing of honors to outstanding airmen, weather planes hunting hurricanes, and a national aircraft show.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 12** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
16 min., sd., b&w, 16 mm.
Order no. AFNR 12.
*Summary:* Scenes of various U. S. Air Force activities, including a talk by General Otto P. Weyland, Commander, Tactical Air Command; demonstration featuring antique planes; Air Force personnel joining Antarctic expedition; airmen skiing; and season's greetings by the Air Force Singing Sergeants.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 13** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 13.
*Summary:* Scenes of U. S. Air Force activities, including delivery of UN troops to Egypt, airlift of Hungarian aid, mechanization of weather records, children's day at Wright-Patterson AFB, Air Force golf competition, and air proving ground firepower demonstration.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 14** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 14.
*Summary:* Scenes of U. S. Air Force activities, including Hungarian refugee air lift, engineering photography, Wright-Patterson Air Force Base hospital, B-52 record long-range flight, and midget racers.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 15** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 15.
*Summary:* Scenes of various Air Force activities, including learning methods of sea survival; helping in the polio drive; training German AF; competing in international military sports meet; and the B-52's non-stop flight around the world.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 16** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 16.
*Summary:* Scenes of various Air Force activities including flight tests of the B-58; display of tactical hospital; AFROTC cadets in pilot training; airmen serving as part-time ministers; AF boxers; and experimental flights in a missile program.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 17** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 17.
*Summary:* Scenes of various U. S. Air Force activities, including the planning of future weapons, expansion of radar warning net, skiers in Europe, and transfer of Air Force generals to new assignments.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 18** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 18.
*Summary:* Scenes of various U. S. Air Force activities including the dedication of Schilling Air Force Base; the testing of new approach lights; supplies arriving at Operation Deep Freeze; activation of a new Air Force wind tunnel; and an Air Force team winning a basketball title.
*Borrow from AF. Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 19** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
13 min., sd., b&w, 16 mm.
Order no. AFNR 19.
*Contents:* "Dummy" snark tests launcher.—Interceptor control taught realistically.—AF helicopters serve White House.—New WAF officers trained.—Mountain top is icing lab.—USAF joins carib EX.—Auto racing attracts airmen.—General Mitchell bombs battleships.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 20** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 20.
*Contents:* USAF tests Bomarc.—Spirit of St. Louis II sets Atlantic record.—USAF flies in atom test.—Hospital helicopter speeds medical aid.—B-36 reclamation saves AF dollars.—Military aviation celebrates golden anniversary.—F-84F's rock targets in training exercise.—Boxers tangle in AF-wide tourney.—Jets take off straight up.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 21.
*Contents:* USAF salutes General Twining.—Generals White and LeMay assume new posts.—President rides in new copter.—Wind tunnel stands on end.—AF wife named Mrs. America.—Airmen boost blood drive.—Airmen man T-3 outpost.—USAF cindermen compete.—Cars crash for safety's sake.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 22** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 22.
*Contents:* Convention highlights of AF anniversary year.—ARDC artist designs air mail stamp.—FEAF moves East.—B-47 displays maneuverability.—Swimmers and divers vie for AF honors.—New song salutes AF blue.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 23** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 23.
*Contents:* Paramedics show skills.—Rocket sleds aid ejection studies.—Academy cadets tour NATO.—Helicopter research in the roaring 20's.—Air crew spends five days aloft.—Airmen compete in ski meet.—A Thanksgiving hymn.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 24** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. AFNR 24.
*Contents:* AF research balloon lifts man 20 miles.—Survival instructors get jungle training.—Student pilots fly jet primary trainers.—AFA gridders meet George Washington University.—AF model plane builders hold world meet.—Basic trainees get AP schooling.—Air power and the Bulge.—Christmas time in the Air Force.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 25** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 25.
*Contents:* KC-135 sets two records.—AF attacks noise problems.—Motorcyclists find tour rules rigid.—Good luck greets airmen anglers.—SAC holds annual bombing world series.—AF contributes to IGY studies.—Rocket seeks space secrets.—The official seal of the United States Air Force.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 26** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. AFNR 26.
*Contents:* F-101 sets new world speed record.—Airman becomes 100,000th ECI graduate.—Simulators reduce danger speed training.—Rex Riley promoted to Lieutenant Colonel.—Voodoo shatters transcontinental speed record.—Buddhist service held for Air Force heroes.—Safety invention wins award.—Aircrew conditioning ups flight efficiency.—USAF good will tour.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 27** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 27.
*Contents:* Bob Hope and Jayne Mansfield wow airmen.—Crews simulate matador launching.—Philippine aviation week.—Missilemen graduate.—Photo squadrons get new C-130.—New radome beats typhoon.—Swamp buggy gives thrill rides.—Mobile zebra succeeds.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 28** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 28.
*Contents:* SAC stands ready.—Airman makes "space trip."—AF seeks services from Asian sources.—Roof raising at AF academy.—Turboprop giant joints MATS.—Airmen "suited" for space flight.—AF careers on exhibit.—Loring airmen laugh at winter.—USAF pushes Thor tests.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 29** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 29.
*Contents:* Success marks ICBM firing.—Mobile hospital set in six hours.—Visiting students learn English.—Engineerless train serves warehouse.—USAFE uses sentry dogs.—USAF studies space problems.—USAF tests removal vehicle.—Jet class graduates.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 30** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 30.
*Contents:* Terracruizer supports Mace.—KC–135 demonstrates refueling technique.—Kelly boasts largest hangar.—Airmen build "two-dollar GCA."—Missile records kept by electronic brain.—Sheppard captures AF cage crown.—Highlights from AF ring tourney.—F–100D's deploy to Europe.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 31** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 31.
*Contents:* Starfighter sets new records.—Airmen fight flooding river.—AF studies sun spots.—Cadets conquer confidence course.—USAF operations in full swing.—USAF recruits prior servicemen.—Firebee aids missile tests.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 32** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 32.
*Contents:* B–47 co-pilots get gunnery practice. — World War II talisman returns home.—Survey teams use new equipment.—F–100's arrive by the boatload.—USAF salutes civil service.—CAP cadets learn survival lessons.—Ceremonies dedicate McCoy Air Force Base.—PACAF team tops in volleyball.—Cargomaster packs potent payload.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 33** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 33.
*Contents:* Hybrid missile goes 6000 miles.—Dads taste cadet life.—AF marksmen vie shoulder-to-shoulder. — The "airman" tells AF story.—Stratotanker sets another record.—AF technician rides medical circuit. — Airmen get sea fever. — Insignia show missileman status.—Crisis in Lebanon.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 34** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 34.
*Contents:* Sage activated in New York.—Space studies conducted at Wright Air Development Center.—Student pilot builds one-man gyrocopter.—German pilots train.—AF champ swimmers meet.—World wide Air Force Academy tour.—Atlas goes cross-country.—Pioneer cameraman retires.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 35** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 35.
*Contents:* USAF beginning Taiwan buildup.—Sergeant boosts community spirit.—Ceremonious recall of early days of flying.—Science seeks space specifications.—AF helps kids get fresh air.—Specialized tools of missile age.—AACS marks anniversary.—Kids pilot soap boxes.—AF association convention.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 36** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 36.
*Contents:* Research craft shown public.—Kaptain Kan Do Kendo.—Airmen perform at Brussels Fair.—Feature flashes.—USAF launches moon rocket.—USAF encourages teen-age rocketry.—USAF Academy grid stock rises.—Demonstration keys century series.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 37** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min.; sd., b&w, 16 mm.
Order no. AFNR 37.
*Contents:* USAF tests Hi Fly Target.—Down range ships track missiles.—Air Force Academy cadets settle down to routine in new quarters at Colorado Springs.—"Synthetic men" aid science.—Gala days gain goodwill.—Scientists study zero gravity.—AF pulls out of Lebanon.—Hockey invades Southwest.—Big jets set records.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 38** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. AFNR 38.
*Contents:* F–100 uses short runway.—Vandenberg Air Force Base dedicated.—Starfighters scramble.—TAC tests fighter weapons.—SAO holds 10th competition.—Atlas orbits the world.—General White inspecting first British Thor in England.—Demonstration of Century Series fighters starting where no jet starting unit exists.—National Guard's miniature crash truck.—Airmen going to work on scooters at Naha Air Base, Okinawa.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 39** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 39.
*Contents:* C–133 smashes cargo record.—Safe driving pays dividends in Japan. — First Thor launched from Vandenberg. — Grade school children get AF namesake.—Thunderchief sets new record.—Fencers compete in Texas.—Falcons end the season at the Cotton Bowl with a tie.—USAF perform in Guatemala on National Aviation Day.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 40** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 40.
*Contents:* Eglin launches Bomarc tests.—ATC retires the B–25.—TAO tries "Ski" 130.—AF kids drive midgets.—Tampa festivities feature WAF band.—ANG minutemen prove skilled team.—NATO forces hold ski meet.—First Titan launch success.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 41** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 41.
*Contents:* F–105 nears operational status.—New techniques aid Air Force.—X–15 makes captive flight.—Air Force Film Library Center serves USAF.—Air Force supports "Banyan Tree."—ConAC cops cage crown.—Missile tests accelerated.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 42** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 42.
*Contents:* TAC wins safety award. — Helicopters serve Texas Towers.—Air Force railroad keeps fuel moving.—Reclamation saves Air Force dollars.—Electronics paces the space age.—Air Force tests landing aid.—Airmen develop marksmanship.—SEATO forces show strength.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 43** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 43.
*Contents:* President visits Air Force Academy.—THOR training for RAF crews. — Clark TV boasts puppets. — Weather rocket tested. — Orientation group tells Air Force story.—Ski show opens summer season.—AFA sponsors World Flight Congress.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 44** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 44.
*Contents:* USAF Academy graduates first class.—Flying Brothers hold conference. — MATS gets jet transport. — Old timer greets old friend. — Joint exercise thwarts "aggressor." — Reserves name beauty queen.—SAC cuts alert time.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 45** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 45.
*Contents:* Paris hosts 23rd Air Show.—Boats back AF tests.—Men adn machines make maintenance.—New techniques aid rescue.—Talon begins flight tests—PACAF cops track trophy.—X-15 glides.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 46** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 46.
*Contents:* Air Rescue Service conducts pararescue tactical effectiveness tests.—Air police receive badges.—Tracking station monitors satellites.—Amateur rocketeers hold meet.—Turks see air show.—TAC and ADC generals retire.—Thor-Able launches "Paddlewheel."
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 47** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 47.
*Contents:* AF tests B-47 Drone.—Top cash award to TAC pilot.—AFA honors outstanding NCO's.—AF helps quake victims.—Heat studies test man's limit.—AF school teaches sea survival.—Sports drivers show skill.—Atlas aids space research.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 48** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. AFNR 48.
*Contents:* First trouble hits Titan.—Floods rack Japan and Formosa.—AF personnel see Holy Robe.—Hercules competes with Noah.—Academy cadets train mascots.—AF grid spirit rivals collegiate.—Kinross becomes Kincheloe AFB.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 49: Highlights 1959** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., color, 16 mm.
Order no. AFNR 49.
*Contents:* USAF performs at Flight Congress.—AFA graduates first class.—Atlas becomes operational.—Air Force supports airborne exercise.—Grid classic inaugurated.—X-15 makes powered flight.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 50** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
12 min., sd., b&w, 16 mm.
Order no. AFNR 50.
*Contents:* X-15 makes emergency landing.—West Berlin holds annual police show.—River training gives survival know-how.—ADC-SAC hold "exams."—Airman ranks in ancient art.—USAF visits down under.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force news review, no. 51** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. AFNR 51.
*Contents:* Morocco greets President.—Starfighters make long hop.—9th Air Force honors missileman.—USAF sets new records—Canberra tests Bomarc guidance.—Reserves hold troop carrier rodeo.—SAC demonstrates swift reaction.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Force non-destructive testing** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
28 min., sd., color, 16 mm.
Order no. TF 1-5226.
*Summary:* Stresses the importance of quality control inspections, explains various defects and their causes, and demonstrates inspection methods including magnetic particle, fluorescent penetrant, X-ray, and ultrasonic.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: After the war, 1918–1923** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-2.
*Summary:* Highlights in the history of the U. S. Air Force during the years 1918 to 1923.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Air power advances, 1935–1937** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-5.
*Summary:* High lights in the history of the U. S. Air Force during the years 1935 to 1937.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Air war against Japan, 1944–1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-24.
*Summary:* Highlights in the history of the U. S. Air Force, particularly the bombing of Japan, ending with the surrender of the Japanese.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Between wars, 1930–1935** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-4.
*Summary:* High lights in the history of the U. S. Air Force during the years 1930 to 1935.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Cold war, 1948–1950** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-26.
*Summary:* High lights during the years 1948–50 in the history of the U. S. Air Force.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: D-day, June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
14 min., sd., b&w, 16 mm.
Order no. SFP 263-19.
*Summary:* Highlights in the history of the U. S. Air Force, particularly its operations in the invasion of German-held Europe.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Expanding air power, June 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-13.
*Summary:* High lights in the history of the U. S. Air Force during June 1943, including its expanded training program and the bombing of the island of Pantelleria.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Global operations, 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-12.
*Summary:* Highlights in the history of the U. S. Air Force during 1943, including its operations against German submarines, the airlift over the Himalayas, and the Solomon Islands campaign.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Korea, the final phase** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 4.
*Summary:* Shows how the U. S. Air Force, with superior tactical and logistical air support, played a large part in helping to end the Korean War.
*Borrow from* AF. *Buy from* UWF.

**The Air Force story: Maximum effort, October 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263-16.
*Summary:* High lights in the history of the U. S. Air Force, particularly the bombing of German war plants by the 8th Air Force.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Meeting the Red challenge** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 2.
*Summary:* Highlights events leading up to the Korean War, the communist invasion of South Korea, and the role of U. S. air power in stemming communist aggression in South Korea.
*Borrow from AF. Buy from UWF.*

**The Air Force story: A new Air Force, 1945–1947** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., b&w, 16 mm.
Order no. SFP 263–25.
*Summary:* High lights during the years 1945–47 in the history of the U. S. Air Force.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: North Africa, November 1942–May 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–11.
*Summary:* Highlights in the history of the U. S. Air Force during the period from November 1942 to May 1943, particularly its operations in North Africa.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: On to the Yalu, June 1950** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 3.
*Summary:* Shows high lights of the Korean War during the summer of 1950 and explains the role of the Air Force in pushing the communist troops back to the Yalu River.
*Borrow from AF. Buy from UWF.*

**The Air Force story: Ploesti, March–August 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–20.
*Summary:* High lights in the history of the U. S. Air Force, particularly the bombing of the Ploesti oil refineries by the 15th Air Force.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Prelude to invasion, January–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–18.
*Summary:* Highlights in the history of the U. S. Air Force, particularly the aerial attacks upon German factories, airdromes, and supply lines.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Prelude to war, 1937–1939** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–6.
*Summary:* High lights in the history of the U. S. Air Force during the years 1937 to 1939.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Retreat and advance, June 1944–March 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–23.
*Summary:* Highlights in the history of the U. S. Air Force, particularly the operations of the 5th, 7th, 13th, and 14th Air Forces in the recapture of the Philippines.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Road to Rome, September 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–17.
*Summary:* High lights in the history of the U. S. Air Force, particularly the operations of the 12th Air Force in Italy.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Schweinfurt and Regensburg, August 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–14.
*Summary:* High lights in the history of the U. S. Air Force, particularly the bombing of Regensburg and Schweinfurt in August 1943.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Struggle for recognition, 1924–1930** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–3.
*Summary:* High lights in the history of the U. S. Air Force during the years 1924 to 1930.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Superfort, August 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–21.
*Summary:* Highlights in the history of the U. S. Air Force, particularly the building of B-29 superforts and their bombing of Japan from air bases in China.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: The AAF fights back, April–July 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–9.
*Summary:* High lights in the history of the U. S. Air Force during the period from April to July 1942, including the Battle of Midway.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: The Air Force and the atom bomb** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
14 min., sd., b&w, 16 mm.
Order no. SFP 263, vol. II, chapter 1.
*Summary:* Reviews the development of the atomic bomb in 1944, its effect in bringing World War II to a close, and the first extensive postwar atomic tests conducted at the Marshall Islands. Emphasizes the impact of the hydrogen bomb and shows how this new destructive force has changed the nature of warfare.
*Borrow from AF. Buy from UWF.*

**The Air Force story: The air war starts, 1939–1941** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–7.
*Summary:* Highlights in the history of the U. S. Air Force during the years 1939 to 1941, concluding with the Japanese attack on Pearl Harbor.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: The beginning** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–1.
*Summary:* Highlights in the history of the U. S. Air Force, particularly the role of airplanes in World War I.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: The drawing of the battle lines, December 1941 to April 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–8.
*Summary:* High lights in the history of the U. S. Air Force during the period from December 1941 to April 1942, including Colonel Doolittle's bombing mission over Japan.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: The tide turns, June–December 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–10.
*Summary:* Highlights in the history of the U. S. Air Force during the period from June to December 1942.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The Air Force story: Two years of war, September–December 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–15.
*Summary:* Highlights in the history of the U. S. Air Force during the period from September to December 1943, particularly its operations in Burma, New Guinea, and Rabaul.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force story: Victory in Europe, June 1944–May 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 263–22.
*Summary:* High lights in the history of the U. S. Air Force, particularly the operations of the 8th Air Force in Europe.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force takes care of its own** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
22 min., sd., color, 16 mm.
Order no. SFP 409.
*Summary:* Describes the development mission, and organizational structure of the Air Force Dependents' Assistance Program, and presents several problems encountered by dependents of military personnel.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Force technical order system** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., b&w, 16 mm.
Order no. TF 1–5105.
*Summary:* Explains the U. S. Air Force technical order system, including a library of some 35,000 technical manuals, how they are filed, and how to find the manual needed for a specific job.
*Borrow from* AF. *Buy from* UWF.

**The Air Force uniform** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
26 min., sd., color, 16 mm.
Order no. TF 1–5207.
*Summary:* Describes the various Air Force uniforms and accessories and the regulations concerning their use.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air Masses** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
80 fr., b&w, 35 mm.
Order no. SN 815.
*Summary:* Explains the formation of low and high pressure areas; discusses rain, the formation of ice, and the occurrence of radiation, advection, and upslope fogs.
*Borrow from* Navy.

**Air masses and fronts** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
26 min., sd., color, 16 mm. (Aerology series)
Order no. MN 119–d.
*Summary:* Describes the troposphere, the formation of clouds, warm and cold fronts, and cyclones; explains the conditions responsible for different kinds of weather.
*Borrow from* Navy.

**Air pattern Pacific** (*Motion picture*) U. S. Army Air Forces, 1945.
42 min., sd., b&w, 16 mm.
Order no. SFP 121.
*Summary:* Portrays the operations of the 13th U. S. Air Force during Word War II, including bombing missions at Guadalcanal, rescues at sea, and the fight against malaria.
*Borrow from* AF. *Cleared for tv.*

**Air pilotage** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
70 fr., b&w, 35 mm.
Order no. SN 810.
*Summary:* Explains how to read aeronautical maps and charts and how to plot a course between two points.
*Borrow from* Navy.

**Air power** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.
18 min., sd., b&w, 16 mm.
Order no. SFP 228.
*Summary:* Traces the history and development of the U. S. Army Air Forces through World Wars I and II, and emphasizes its importance today.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air power American** (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Rafael G. Wolff Studios.
14 min., sd., color, 16 mm.
Order no. SFP 274.
*Summary:* An animated film reviewing the history of air power, explaining its meaning to the people of the United States, and stressing the importance of the U. S. Air Force.
*Borrow from* AF. *Cleared for tv.*

**Air power and armies** (*Motion picture*) U. S. Army Air Forces, 1945.
60 min., sd., b&w, 16 mm.
Order no. TF 1–3447.
*Summary:* Pictorial explanation of the role of air power in modern warfare and its specific relationship to land power. Describes the offensive and defensive use of aircraft, and the concepts of strategic and tactical air power. Analyzes the role of air power in the El Alamein campaign.
*Borrow from* AF.

**Air Proving Ground Command** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
12 min., sd., color, 16 mm.
Order no. SFP 394.
*Summary:* Shows the operations of the Air Proving Ground Command at Eglin Air Force Base, Florida, and the testing of weapons, components, and equipment.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Air Reserve Forces** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., color, 16 mm.
Order no. SFP 620.
*Summary:* Discusses the mission of the Air Reserve Forces—citizen airmen from the 50 States and Puerto Rico—which includes approximately 500,000 officers and airmen of the Air Force Reserve and 68,000 officers and airmen of the Air National Guard.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Air science in action** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
14 min., sd, b&w, 16 mm.
Order no. SFP 279.
*Summary:* Explains the activities of the Air Research and Development Command of the U. S. Air Force and the cooperative efforts of civilian science, government research, and military research.
*Borrow from* AF. *Cleared for tv.*

**Air siege** (*Motion picture*) U. S. Dept. of the Air Force, 1947.
22 min., sd., b&w, 16 mm.
Order no. SFP 175.
*Summary:* A documentary record of the bombing of the Ploesti oil fields and refineries by the U. S. 15th Air Force during World War II. Includes scenes taken from captured German films of the damage caused by the bombing.
*Borrow from* AF. *Buy from* UWF.

**Air start check valve, cylinder relief valve, and indicator cock** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series. Benchwork)
Order no. MN 3001–g.
*Summary:* How to disassemble and reassemble the air start check valve, cylinder relief valve, and the indicator cock; and test the cylinder relief valve.
*Borrow from* Navy. *Buy from* UWF.

**Air swinging and curve data for the SCR–269–ACG** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

34 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1–657.

*Summary:* Tells how to determine (using the method of "air swinging") the radio compass deviations for a particular aircraft, and how to plot these values as a curve to give the compass deviation corrections for any heading.

*Borrow from* AF.

**Air traffic** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 20)

*Summary:* Discusses some of the problems encountered in air traffic today, and presents possible solutions to these problems. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The airborne magnetometer** (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

24 min., sd., b&w, 16 mm.

A long version with the same title also released in 1952.

*Summary:* Explains briefly and in nontechnical language how the earth's magnetic field is utilized in prospecting. Describes the airborne equipment developed to detect changes in the earth's magnetic field and shows how this equipment is used.

*Borrow from* GS. *Cleared for tv.*

**The airborne magnetometer** (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

34 min., sd., b&w, 16 mm.

A short version with the same title also released in 1952.

*Summary:* Explains briefly and in nontechnical language how the earth's magnetic field is utilized in prospecting. Describes the airborne equipment developed to detect changes in the earth's magnetic field and shows how this equipment is used.

*Borrow from* GS.

**The airborne soldier** (*Motion picture*) U. S. Dept. of the Army, 1956.

33 min., sd., b&w, 16 mm.

Order no. TF 31–2126.

*Summary:* Depicts the basic paratrooper training course given at Fort Benning, Ga., from the time the trainees arrive to completion of training and the wing award ceremony. Includes parachute landing falls, jump techniques, control of parachute during descent; emergency landing techniques, and execution of qualifying jumps from aircraft in flight.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Aircraft accident investigation** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

37 min., sd., b&w, 16 mm.

Order no. TF 1–8150.

*Summary:* Explains that simple, human errors are the cause of most aircraft accidents, many of which are triggered by the personal problems of the pilot. Shows that the medical investigator must seek out and determine the mental and emotional aspects behind these human errors and make recommendations which will prevent such accidents from happening again. In detective story fashion, demonstrates the techniques of medical investigation in two cases of deaths resulting from preventable accidents.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aircraft de-icers. Part 1: Ice formation and de-icer operation** (*Motion picture*) U. S. Army Air Forces, 1943.

25 min., sd., b&w, 16 mm.

Order no. TF 1–4117.

*Summary:* Explains the theory of ice formation on aircraft and the principle of de-icer system operation.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aircraft engine operation** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

67 fr., b&w, 35 mm.

Order no. FS 1–72.

*Summary:* Gives procedures for starting up, warming up, ground testing, and stopping aircraft engines.

*Borrow from* AF. *Buy from* UWF.

**Aircraft engine pumps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

38 fr., b&w, 35 mm.

Order no. FS 1–60.

*Summary:* Explains the construction, operation, and maintenance of coolant, oil, fuel, and vacuum pumps in an airplane; and the mechanism and function of the relief valve.

*Borrow from* AF. *Buy from* UWF.

**Aircraft engine repairs: Classification of engine types** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

34 fr., b&w, 35 mm.

Order no. FS 1–9.

*Summary:* Explains methods of classifying aircraft engines as to type: in-line, V-type, double V-type, X-type, opposed, and radical

*Borrow from* AF. *Buy from* UWF.

**Aircraft engine troubles: General** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

56 fr., b&w, 35 mm.

Order no. FS 1–66.

*Summary:* Describes common engine troubles in the compression and ignition systems; causes of improper compression; and ignition troubles caused by defective spark plugs.

*Borrow from* AF. *Buy from* UWF.

**Aircraft engine troubles: Starting** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

62 fr., b&w, 35 mm.

Order no. FS 1–82.

*Summary:* Difficulties in starting aircraft engines related to cold weather, carburetor, compression, ignition, and starter; and methods of overcoming such difficulties.

*Borrow from* AF. *Buy from* UWF.

Aircraft engines series
see
Carburetion
Elements of electricity as applied to ignition systems

**Aircraft in flight** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

63 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 10 min. microgroove.

Based on Civil Air Patrol instructor's guide of the same title.

*Summary:* Discusses the principle of flight; explains stability, stress, and drag; and shows various types of instruments used in aircraft.

*Buy from* CAP.

**Aircraft lubricants and lubricating equipment** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

26 fr., b&w, 35 mm.

Order no. SN 1969.

*Summary:* Shows various types of lubricants and equipment used in airplane maintenance.

*Borrow from* Navy. *Buy from* UWF.

**The aircraft magneto: Theory and operation of the four-pole magneto** (*Motion picture*) U. S. Army Air Forces, 1944.

30 min., sd., b&w, 16 mm.

Order no. TF 1–3638.

*Summary:* Shows the relationship between the magneto and the airplane electrical system, and explains magnetism, magnetic flux, induction, Lenz's law, static and resultant flux.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Aircraft maintenance series
see Aircraft work series. Aircraft maintenance.

**The aircraft observer's place in the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
26 min., sd., b&w, 16 mm.
Order no. SFP 311.
*Summary:* Explains the function of the aircraft observer and follows a preflight student through his navigation, electronics, and flight training, which qualifies him as navigator, bombardier, and radarman on a B–47 crew.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aircraft quarantine** (*Motion picture*) U. S. Public Health Service, 1947.
15 min., sd., color, 16 mm.
Order no. 4–045.
*Summary:* Stresses the danger of the entrance of disease vectors into the U. S. by international air transportation. Outlines combative measures used before the arrival of passengers; quarantine inspection after arrival; and periodic checks for vectors which may have escaped from landing planes.
*Borrow from* PHS.

**Aircraft storage batteries** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
54 fr., b&w, 35 mm.
Order no. FS 1–17.
*Summary:* Describes types of batteries used on airplanes, and their operating principles. Explains the function of the container, plates, separators, electrolyte, vents, and terminals. Describes methods of charging and testing.
*Borrow from* AF. *Buy from* UWF.

**Aircraft tachometers** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
65 fr., b&w, 35 mm.
Order no. FS 1–553.
*Summary:* Explains the principles of operation, maintenance, and points of installation of the four basic types of tachometers (chronometric, centrifugal, electric voltmeter, and electric magnetic-drag) in general use by the U. S. Army Air Forces in 1943.
*Borrow from* AF.

**Aircraft tires. Part 1: Maintenance and repair** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.
35 fr., b&w, 35 mm.
Order no. SN 491–a.
*Summary:* Shows the types of tires, tubes, and rims; tire tools; how to make minor tube repairs; and the importance of periodic inspection and proper inflation.
*Borrow from* Navy. *Buy from* UWF.

**Aircraft tires. Part 2: Maintenance and repair** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1944.
57 fr., b&w., 35 mm.
Order no. SN 491–b.
*Summary:* Demonstrates procedures in demounting, repairing, and remounting tires.
*Borrow from* Navy.

**Aircraft tires and tubes: Demounting and mounting procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
16 min., sd., b&w, 16 mm.
Order no. TF 1–5106b.
*Summary:* Demonstrates procedures for demounting and mounting aircraft tires and tubes, for inflating and deflating tires and tubes, and for mounting and demounting tubeless tires.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aircraft tires and tubes: Maintenance, inspection, and inflation procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5106a.
*Summary:* Describes procedures for the proper maintenance of aircraft tires and tubes; emphasizes the importance of inspection and inflation checks; and shows cuts, bruises, blisters, and other items that may result in serious damage.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Aircraft tires and tubes: Shop inspection, storage, and disposition** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
7 min., sd., b&w, 16 mm.
Order no. TF 1–5106c.
*Summary:* Shows a central tire shop where tires and tubes are rigidly inspected and checked for serviceability. Describes procedures for inspecting, testing, and storing tires and tubes.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Aircraft work series
see
Tube bending by hand

Aircraft work series. Aircraft maintenance
see
Adjustments after check flight
Attaching and aligning wings
Connecting and adjusting controls
Inspecting and adjusting hydraulic brakes
Installing and aligning tail surfaces
Installing landing gear
Making sheet metal repairs
Patching fabric
Patching plywood
Repairing a wooden rib
Repairing aircraft tires
Repairing and relining mechanical brakes
Repairing structural tubing
Splicing a wooden spar

Aircraft work series. Assembling and riveting
see
Assembling in a jig: Drilling and riveting
Assembling in a jig: Fitting and lining up
Blind riveting
Dimpling and countersinking
Drilling with portable drill motors
Driving and bucking rivets
Removing defective rivets
Spot welding
Squeeze riveting: Stationary and portable riveters

Aircraft work series. Blanking sheet metal
see
Blanking sheet metal on the squaring shear
Blanking sheet metal with hand snips
Blanking with rotary and high speed shears
Blanking with the swing arm router

Aircraft work series. Control cables
see
Making a five tuck splice
Making a wrapped and soldered splice
Swaging cable terminals

Aircraft work series. Finishing
see
Using a portable spray gun

Aircraft work series. Forming sheet metal
see
Finish forming by hand
Forming on a hand operated brake
Forming on rotary machines
Forming on the stretching machine
Forming with a drop hammer
Forming with rubber on the hydraulic press

Aircraft work series. Inspection
see
Hardness testing: Rockwell
Inspection of minor assemblies
Inspection of plumbing and piping
Inspection of sheet metal parts
Inspection of threads

Aircraft work series. Metal fabrication
see
Fabricating metal aircraft

Aircraft work series. Power plant maintenance
see
Disassembling the engine
Engine change: Installation
Engine change: Removal
Inspecting and reconditioning piston assembly
Inspecting and reconditioning valve assembly
Overhauling camshaft assembly and crankcase section
Overhauling crankshaft assembly
Overhauling the carburetor
Reassembling the engine
Removing and inspecting cylinders
Servicing a propeller
Servicing and timing magnetos
Servicing spark plugs and ignition wiring
Trouble shooting problems: Fuel induction
Trouble shooting problems: Ignition
Trouble shooting problems: Mechanical and lubrication

Aircraft work series. Preventive maintenance
see
The airplane mechanic
Periodic inspection: Airplane
Periodic inspection: Engine
Preflight inspection: Airplane
Preflight inspection: Engine
Servicing an airplane

Aircraft work series. Templates
see
Filing template metal
Making a master contour template
Making a master developed layout, part 1
Making a master developed layout, part 2; and making the form block
Sawing template metal

Aircraft work series. Wood fabrication
see
Building a box beam spar
Building a wooden rib
Laying out and forming plywood
Wing assembly: The bow tip
Wing assembly: The inboard panel
Wing assembly: The nose section

**Aircrewmen of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., b&w, 16 mm.
Order no. MN 3550.
*Summary:* Emphasizes the advantages and importance of naval air gunnery training, and shows how a pilot and his crew live and practice together aboard a carrier.
*Borrow from* Navy. *Buy from* UWF.

**Airfield flexible pavement** (*Motion picture*) U. S. Army Engineers, 1955.
54 min., sd., color, 16 mm.
*Summary:* Shows design fundamentals of flexible pavement and basic tests that are performed on base, subbase, and subgrade; phases of the production and testing of asphaltic concrete; grading; compaction of subgrades, subbases, and base courses; and laying and testing of surface courses.
*Borrow from* Eng. *Cleared for tv.*

**Airplane cockpit instruments and controls. Part 1: Primary** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
44 fr., b&w, 35 mm.
Order no. FS 1-377.
*Summary:* Gives the name, function, and location of the cockpit instruments in the primary trainer (PT-19A) used by the U. S. Army Air Forces.
*Borrow from* AF.

**Airplane cockpit instruments and controls. Part 2: BT-13A basic trainer** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
40 fr., b&w, 35 mm.
Order no. FS 1-321.
*Summary:* Deals with the names, functions, and locations of cockpit instruments in the BT-13A basic trainer.
*Borrow from* AF.

**Airplane cockpit instruments and controls. Part 3: Advanced single engined** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
34 fr., b&w, 35 mm.
Order no. FS 1-378.
*Summary:* Gives the name, function, and location of the cockpit instruments in the advanced single engined trainer (AT-6) used by the U. S. Army Air Forces.
*Borrow from* AF.

**The airplane engine** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.
33 fr., b&w, 35 mm.
Order no. SN 2799.
*Summary:* Explains briefly the basic principle of operation of all internal combustion gasoline engines, and the principle of four-stroke cycle operation.
*Borrow from* Navy.

**Airplane flight control surfaces and wing flaps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
65 fr., b&w, 35 mm.
Order no. FS 1-29.
*Summary:* Shows and explains the location, construction, and operation of primary and secondary control surfaces of an airplane; and the types, construction, and operation of wing flaps and slots.
*Borrow from* AF. *Buy from* UWF.

**Airplane hydraulic brakes: Types, construction, and action** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
31 min., sd., b&w, 16 mm.
Order no. TF 1–305.
*Summary:* Principles of operation and parts of the Bendix single and duo servo brakes; Hays single shoe, single and duo servo; single and double expander tube brakes; and Goodyear disc type brakes.
*Buy from* UWF.

**Airplane ignition** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
62 fr., b&w, 35 mm.
Order no. SN 800.
*Summary:* Shows the basic operating principles and maintenance of the ignition system.
*Borrow from* Navy. *Buy from* UWF.

**The airplane mechanic** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
9 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 278.
With instructor's manual. Supplemented by filmstrip of the same title.
*Summary:* Duties, skills, and responsibilities of an airplane mechanic.
*Buy from* UWF.

**The airplane mechanic** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
44 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 278–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Airplane structures: Control surfaces** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.
7 min., sd., b&w, 16 mm.
Order no. TF 1–700.
*Summary:* Explains construction, location, and functions of ailerons, rudders, tail flaps, wing flaps, vertical fins, elevators, and horizontal fins. Shows the covering of these surfaces with fabrics, and discusses the functions of the fixed and adjustable trim tabs.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Airplanes, their metals, fuels, and lubricants** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1944.
37 min., sd., b&w, 16 mm.
Order no. 211
*Summary:* Tells a story of a group of boys interested in building model airplanes and how they learned about the metals used in constructing airplanes, the building of an all-cargo plane, the theory of flight and laws of aerodynamics, and the importance of lubricants in the operation and maintenance of aircraft. Film ends with a competitive meet of model plane builders.
*Borrow from* BM. *Cleared for tv.*

**Airports, airways, and electronics** (*Filmstrip*) U. S. Civil Air Patrol, 1957.
63 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 13 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
*Summary:* Describes air traffic regulations and procedures and the use of electronic devices in air piloting and navigation problems.
*Buy from* CAP.

**Airways aids** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
73 fr., b&w, 35 mm.
Order no. SN 816.
*Summary:* Traces briefly the development of airways, markers, and beacons, and discusses some of the course lights, runway markers, and obstruction lights in use today (1943)
*Borrow from* Navy.

**Alaska** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFIF 59.
*Summary:* Discusses the historical background of Alaska, its current social, economic, and military status, and its strategic significance as an Arctic outpost of the United States.
*Borrow from* Army. *Cleared for tv.*

**Alaska: Newest of the United States of America** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.
18 min., sd., b&w, 16 mm.
*Summary:* Describes the climate, geography, industries, and people of Alaska. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Alaska pipeline** (*Motion picture*) U. S. Army Engineers, 1956.
29 min., sd., color, 16 mm.
*Summary:* Concerns the construction of the ALCANCO, the farthest north commercial-sized pipeline stretching across 626 miles of American and Canadian territory between Haines and Fairbanks, Alaska. Shows the design and construction problems posed by permafrost, floods, terrain, short construction seasons, and length of the supply lines; and describes the economic and strategic purposes of the pipeline.
*Borrow from* Eng. *Cleared for tv.*

**The Alaska Railroad** (*Motion picture*) U. S. Dept. of the Interior and the Alaska Railroad, 1956. Made by Louis R. Huber.
15 min., sd., color, 16 mm.
*Summary:* Presents the story of the modern, all diesel, government-owned and operated Alaska Railroad, which runs from Seward to Fairbanks. Includes scenes of Anchorage, Fairbanks, and other areas served by the railroad.
*Borrow from* DI–AR.

**Alaskan air fortress** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
23 min., sd., color, 16 mm.
Order no. SFP 308.
*Summary:* Describes the weather conditions and operating problems at the major Air Force bases in Alaska—Elmendorf, Eielson, and Ladd.
*Borrow from* AF. *Cleared for tv.*

**Alaskan patrol** (*Motion picture*) U. S. Coast Guard, 1957.
28 min., sd., color, 16 mm.
*Summary:* Shows the Coast Guard on Bering Sea patrol in the Alaskan area, protecting the Pribilof seal herds, enforcing halibut fishing regulations, and providing medical aid for the Eskimos. Includes scenes of Eskimos at work, showing how they live; and of a Nalukatuk dance.
*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Albeni Falls Dam** (*Motion picture*) U. S. Army Engineers, 1956.
28 min., sd., color, 16 mm.
*Summary:* A travelogue-type documentary film which takes a visitor through the completed project on the Pend Oreille River in northern Idaho, and explains how it was started, constructed, and now functions.
*Borrow from* Eng. *Cleared for tv.*

Algebra, the international language
see Beginning algebra I, lecture 1 [-2]: Algebra, the international language

**Algo para mañana** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.
11 min., sd., b&w, 16 mm.
English version released under the title Something for tomorrow.
*Summary:* Describes the lives of migrant farm workers and their importance in American agriculture; explains the benefits which they receive from old age and survivors insurance.
*Borrow from* SSA.

**Alias the killer** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Apex Film Corp.
13 min., sd., b&w, 16 mm.
*Summary:* Explains the need for community traffic safety programs, the elements of traffic safety, and the procedures followed by citizens in a hypothetical community.
*Borrow from* PCTS. *Cleared for tv.*

**Aligning and installing auxiliary machinery** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 2)
Order no. OE 96.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to lay out foundations for machinery installation; drill bolt holes; establish centers for holes for drilling; and align machines accurately on foundations.
*Buy from* UWF.

**Aligning and installing auxiliary machinery** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
42 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 2)
Order no. OE 96–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**All star team** (*Motion picture*) U. S. Dept. of the Army, 1955.
24 min., sd., b&w, 16 mm.
Order no. MF 20–8420.
*Summary:* Explains the organization and functions of the U. S. Army in combat and in peacetime, including induction, basic training, elements of the infantry, activities of the combat arms, and the technical and supply services. Prepared for recruiting purposes.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Alliance for peace** (*Motion picture*) SHAPE, 1952. Released for public use in the United States through U. S. Dept. of Defense and U. S. Office of Education, 1952.
38 min., sd., b&w, 16 mm.
*Summary:* Explains the background, mission, and objectives of the Supreme Headquarters, Allied Powers, Europe, composed of the North Atlantic Treaty Organization countries.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Along our shores** (*Motion picture*) U. S. Coast Guard, 1945.
15 min., sd., color, 16 mm.
Known also as The Coast Guard at war; part 1; Along our shores.
*Summary:* Reviews the 1941–45 wartime activities of the U. S. Coast Guard within the continental limits and off the shores of the United States.
*Borrow from* CG.

**Alouette** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 2)
*Summary:* Animated cartoon, featuring the character Smokey Bear and the tune Alouette, emphasizing forest fire prevention. Prepared primarily for television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Alternating current** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
50 fr., b&w, 35 mm.
Order no. FS 1–86.
*Summary:* An elementary introduction to the principles of alternating current. Demonstrates and explains Lenz' law, simple wave alternator, frequency, effective valve, voltage-current-time relationship, and power.
*Borrow from* AF. *Buy from* UWF.

**Altitude** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
51 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm. 27 min. (Instrument flight control series)
Order no. SN 1059–d.
*Summary:* Explains types of altitude and air pressure; atmospheric pressure; pressure and density altitude, station and aircraft altimeter; pressure readings; and altimeter adjustments at various altitudes.
*Borrow from* Navy. *Buy from* UWF.

**Aluminum** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* Shows the manufacture of aluminum—the importation of bauxite, its transmutation into alumina and aluminum sheeting, and use in war planes.
*Buy from* UWF.

Aluminum: Mine to metal
see
This is aluminum

**Alveolectomy after multiple extraction of teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.
6 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no. PMF 5217.
*Summary:* Shows teeth with advanced periodontal disease being extracted, and presents the conservative preparation of the alveolar ridge for dentures by demonstrating surgical procedures for establishing a ridge of uniform height with smooth even contours after multiple extraction of teeth. For dental personnel.
*Borrow from* Army.

**Alveolectomy and multiple pathology** (*Motion picture*) U. S. Dept. of the Army, 1952.
18 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no. PMF 5219.
*Summary:* Demonstrates problems in the removal of teeth from pathological bone and in the proper repair of ridge tissues. For dental personnel.
*Borrow from* Army.

**Alveolectomy in extraction of isolated teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.
11 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no. PMF 5218.
*Summary:* Demonstrates the extraction of isolated teeth, and presents a method of ridge preparation for dentures with a minimal excision of the supporting alveolar bone. Shows a dental bridge being made. For dental personnel.
*Borrow from* Army. *Buy from* UWF.

**Amalgam restoration** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., color, 16 mm. (Operative dentistry series, no. 4)
Order no. MN 5369–d.
*Summary:* Shows method for trituration of amalgam by electrical means; removal of matrix, carving, and polishing of restoration. Explains reasons for use of various pluggers; dangers of contamination and improper handling; manual and mechanical condensation. For dental personnel.
*Borrow from* Navy. *Buy from* UWF.

**The Amazon awakens** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.
34 min., sd., color, 16 mm.
*Summary:* A documentary film of the Amazon River Basin, its history, industrial progress, natural resources, and possibilities for the future.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Ambition** (*Motion picture*) U. S. Dept. of the Army, 1958.
7 min., sd., b&w, 16 mm.
Order no. TF 16–2737.
*Summary:* Dramatized story illustrating the concept of ambition. Made for use by Army chaplains.
*Borrow from* Army.

America enters World War I
see American history II, lecture 11: America enters World War I

**America (My country 'tis of thee)** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
27 fr., b&w, 35 mm.
Order no. 673.
With lecture notes.
*Summary:* Words and illustrative scenes of the song. For 4–H club work.
*Buy from* PhotoLab.

**America presents America** (*Motion picture*) U. S. Information Agency, 1956. Made by Movietone News.
27 min., sd., b&w, 16 mm.
*Summary:* Explains what the U. S. Information Agency is doing through its overseas information programs to support U. S. national policies and objectives and to combat hostile propaganda. Shows the use of publications, information centers, exhibits, and motion pictures; Voice of America operations; and instances of American private groups cooperating in overseas information programs. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**American anniversary** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., b&w, 16 mm.
Order no. OF 53.
*Summary:* Dramatized story of a young immigrant in America and of how he rose to a position of leadership in his factory and community.
*Borrow from* Army. *Buy from* UWF.

**The American economy** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
38 min., sd., b&w, 16 mm.
Order no. WA 7.
*Summary:* Dr. Gabriel Hauge, Special Assistant to President Eisenhower for Economic Affairs, discusses the American economy, including the defense budget, foreign economic aid, and the role of small business in the American economy, with officers from the National War College and the Industrial College of the Armed Forces.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American farm home life** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.
62 fr., b&w, 35 mm.
Order no. 669.
With lecture notes.
*Summary:* Gives a general picture of modern home life on American farms.
*Buy from* PhotoLab.

**American First Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR–B–30.
*Summary:* Scenes of the American 1st Army's advance from Aachen to the Roer River in World War II. Covers activities of the 1st, 9th, 28th, 83rd, and 104th Divisions, and the 3rd Armored Division.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 1: Europe finds and explores a new world** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Presents the historical background of Europe prior to the discovery and exploration of America; discusses the growth of the Spanish and French empires in the New World.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 2: The English colonies dominate North America** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses England's colonial policy and her struggle for an empire in North America, showing how England and France aimed to dominate the New World.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 3: The colonists develop a life of their own** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the inhabitants of colonial America; shows how they lived and how they modified European cultural traditions; discusses the government in the colonies.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 4: England's American policy leads to revolt** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses England's colonial policy before and after 1763.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 5: The War for Independence** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the formation of the Continental Army, the relative strength of the British and American positions at the outbreak of hostilities, the major military campaigns of the Revolutionary War, and the end of the war.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 6: The critical period; the Articles of confederation to the Constitution** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Presents the critical period which preceded the union of the American Colonies under a compact provided for in the Articles of confederation; discusses the problems arising prior to the ratification of the Constitution.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 7: The Federalists launch the new government** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the launching of the new government by the Federalists after the War of Independence and discusses the diverging ideas on the nature of the Federal Union.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 8: Republicans strengthen the Nation at home and abroad** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the political conflict of 1800 and the concept of Jeffersonian democracy; explains that as the Nation grew stronger, there arose a new spirit of nationalism, initiating an era of good feeling.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 9: Growing national unity is checked by sectional differences** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the emergence of sectionalism in the United States, and the election of 1824, with a sectional line-up on candidates.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 10: Andrew Jackson dominates the political scene** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the success of Jacksonian democracy and discusses the problems of government under the leadership of Andrew Jackson.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 11: Changes occur in the American economic life** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses American agriculture, the coming of the industrial revolution, and improvements in transportation and communication after the time of Andrew Jackson.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 12: Changes in American society and culture** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the development of American letters, the impulse to reform, and the anti-slavery movement.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 13: The Nation expands to the Pacific** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses American frontiers, including the expansion of the trappers' frontier, the settlement of the West, the acquisition of Texas, and the annexation of Oregon. Describes the Mexican War.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 14: The slavery issue leads to Southern secession** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Reviews the development of the anti-slavery issue. Discusses the status of slavery in the territories, the Compromise of 1850, the slavery controversy as it moved toward a climax, and the election of 1860.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 15: The North and South fight a bitter war** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Pictures the national situation at Lincoln's inauguration; describes the clash of arms and the War between the States; discusses the problems on the home front.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 16: The Southern States are restored to the Union** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses Lincoln's reconstruction program, the conditions in the South at the end of the war, the controversy of Johnson and Congress, and the carpetbagger and scalawag governments in the South.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 17: Pioneers settle the last frontier** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the mining frontier, the cowboy and sodhouse frontier, and the Indian problem.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 18: The rise of modern industrial America** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the basis for revolutionary changes in American industries which resulted in increased production, developments in transportation and communication, and the rise of big business. Discusses the economic problems of a complex system of production, the tariff policies in an age of industrialization, the demands for regulation of business and industry, and the growth of organized labor.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 19: The farmer increases production but suffers hard times** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the rising discontent of the American farmer and the agricultural revolution; explains how the farmers and the silver interests joined forces; and discusses the "free silver" campaign of 1896.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history I, lecture 20: American society at the turn of the century** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the American population in 1900 and shows some characteristics of American society at the turn of the century.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 1: The political arena, 1865–1900** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the American political setting during the age of industrialization and business consolidation, and discusses the course of politics from 1865–1900.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 2: The United States continues its policy of isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains how the United States applied the Monroe doctrine in relations with Latin America, and how the country acquired overseas possessions; discusses the Nation's relationships with Great Britain.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 3: The rise of modern industrial America** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
Summary*:* Discusses improvements in the United States in transportation, communication, and production. Describes the great depression.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 4: The role of government in the economic life of the country** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the laissez-faire system, the modern industrial economy, and labor practices of the twentieth century.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 5: Problems of finance and foreign trade in an industrial economy** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the problems of currency and banking of foreign trade, and of tariff.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 6: Problems of agriculture and conservation in an industrial economy** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the increases in farm production, the effect of increased production on the continuing problems of agriculture, and the preservation of natural resources.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 7: Modern American society and culture** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses population trends, social reforms which accompany social change, achievements in science and education, and the growth of American art, music, and literature.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 8: The United States adopts a policy of imperialism** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the Spanish-American War, the terms of peace, and the acquisition of Spanish possessions. Describes how the United States Government handled the newly won territories of Puerto Rico and the Philippines; traces the relations of the United States and Cuba.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 9: America's relations with her neighbors to the south** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes American interests in the Panama Canal, the Caribbean, and Central America; discusses the relations of the United States and Mexico, and the building of hemispheric solidarity.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 10: America's Far Eastern policy** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the "open door" policy, Chinese hostility towards foreigners, and American relations with Japan.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 11: America enters World War I** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the outbreak of World War I in Europe, the difficulties in maintaining neutrality, the entrance of the United States into the war, Wilson's fourteen points, and the armistice in November 1918.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 12: American reaction to treaty of Versailles; return to isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the problems of peace, the four nations dominating the peace conference, the American reaction to the treaty of Versailles, the disarmament conferences, and the Kellogg-Briand peace pact.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 13: International anarchy and America's entry into World War II** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the rise of modern dictatorships and the attitude of the United States toward these dictatorships. Discusses the war in Europe, American reactions to the war, and the entry of the United States into World War II.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 14: World War II and after** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the beginning of World War II, the entry of the United States in December 1941 and the opening months of 1942; explains how the American home front became geared to an all-out war; discusses the road to victory in Europe and in the Pacific, and the winning of the peace.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 15: American politics, 1900–1920; the progressive movement** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the background and political aspects of the progressive movement in the United States; discusses Theodore Roosevelt and the "square deal"; discusses the campaign of William Howard Taft, the democratic victory, and the political reforms of the progressive movement.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 16: American politics, 1920–1932; the conservative reaction** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the significance of the election of 1920 and the return to normalcy, the evidences of reaction to the progressive movement, the problems facing the country, the Harding scandals, the growing dissatisfaction in the Nation, and the election of 1932.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 17: Roosevelt and the New Deal** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes the background of Franklin D. Roosevelt's election and his taking office; discusses the categories of New Deal legislation, the opposition to the New Deal, and the Supreme Court controversy; and explains how Roosevelt broke the two-term tradition.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**American history II, lecture 18: The United States in today's world** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses problems confronting the United States after World War II and the continuing problems which faced the Eisenhower administration.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The American nautical almanac for the year 1943** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.
64 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min. (Navigation series)
Order no. SN 83-8.
*Summary:* How to use the almanac and apply the information obtained to determine the Greenwich hour angle of the planets Jupiter and Vega and the moon.
*Borrow from* Navy. *Buy from* UWF.

**American newsboy** (*Motion picture*) U. S. Dept. of State, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
*Summary:* Portrays an American boy taking over a newspaper route and learning the fundamentals of conducting a business. Contains scenes of the newspaper route and of the newsboy's home, and emphasizes cooperation in American families. Prepared for overseas use.
*Buy from* UWF.

**American Ninth Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HR-B-29.
*Summary:* Scenes of the American 9th Army's advance from Aachen to the Roer River in World War II.
*Borrow from* Army. *Buy from* UWF.

**American painting in history** (*Filmstrip*) U. S. National Gallery of Art, 1959.
60 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 60 min.
With lecture notes.
*Summary:* Six lectures, ten frames each, about the best known works of American art in the National Gallery of Art interspersed with 22 frames of houses, public buildings and means of transportation. Designed to be used in fifth grade history classes.
*Borrow from* NGA.

**American politics, 1900–1920**
**see American history II, lecture 15: American politics, 1900–1920; the progressive movement**

**American politics, 1920–1932**
**see American history II, lecture 16: American politics, 1920–1932; the conservative reaction**

**An American portrait** (*Motion picture*) U. S. Dept. of State, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.
62 min., sd., b&w, 16 mm.
*Summary:* Dramatized portrayal of an American workman, a mechanic, and his advancement from job to job. By means of flashbacks, shows why and how he changed jobs and the meaning of such changes to him and his family. Emphasizes his initiative and desire for a higher standard of living, and his achievement of success. Prepared for overseas use.
*Buy from* UWF.

American reaction to treaty of Versailles
see American history II, lecture 12: American reaction to treaty of Versailles; return to isolation

American scene series
see
A better tomorrow
The Cummington story
Freedom to learn
The Library of Congress
Northwest U. S. A.
Steel town
Swedes in America
Tuesday in November

American society at the turn of the century
see American history I, lecture 20: American society at the turn of the century

American success story
see
Synthetic rubber

America's Far Eastern policy
see American history II, lecture 10: America's Far Eastern policy

America's relations with her neighbors to the south
see American history II, lecture 9: America's relations with her neighbors to the south

**America's untapped asset** (*Motion picture*) U. S. President's Committee on Employment of the Physically Handicapped, 1953.
14 min., sd., b&w, 16 mm.
*Summary:* Shows how persons with a physical disability can be successfully employed, and gives illustrations of jobs being performed by disabled workers in the offices of Bankers Life and Casualty Co., Chicago.
*Borrow from* PCPH.

**Ames Aeronautical Laboratory in action** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
28 min., sd., color, 16 mm.
*Summary:* Reviews developments in aeronautical research in the United States, particularly in the transonic and supersonic speed ranges; pictures wind tunnel and flight experiments conducted at the NACA Ames Aeronautical Laboratory at Moffet Field, Calif., including flight tests of jet-airplanes, and the research program on airplane de-icing.
*Borrow from* NASA.

**Ammunition supply point (ASP) operation** (*Motion picture*) U. S. Dept. of the Army, 1954.
25 min., sd., b&w, 16 mm.
Order no. TF 9-1859.
*Summary:* Shows the operation of a typical U. S. Army ammunition supply point in the receipt and issue of ammunition, including the receipt of ammunition by rail, handling the receipt of ammuniton by truck, issue of ammunition to a using unit in the field, and the importance of reports in connection with stock inventories and surveillance missions.
*Borrow from* Army. *Buy from* UWF.

**Amperes, volts, and ohms** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
8 min., sd., b&w, 16 mm. (Radio technician training series. Elementary electricity)
Order no. MN 1540-u.
Supplementary filmstrip of same title also available.
*Summary:* Explains the meaning, relationship, and measurement of amperes, volts, and ohms.
*Borrow from* Navy. *Buy from* UWF.

**Amperes, volts, and ohms** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
23 fr., b&w, 35 mm. (Radio technician training series. Elementary electricity)
Order no. SN 1540-au.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Amphibian aircraft water operations: Open sea** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
22 min., sd., color, 16 mm.
Order no. TF 1-5046b.
*Summary:* Shows what a rescue commander and his crew must know before attempting open sea operations, including how to determine the length of swells and their speed in knots, open sea take-offs including JATO, transfer of supplies from boat to plane, selecting good touchdown spots, taxi runs of various types, and take-offs under various conditions.
*Borrow from* AF. *Cleared for tv.*

**Amphibian aircraft water operations: Sheltered aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
34 min., sd., color, 16 mm.
Order no. TF 1-5046a.
*Summary:* Shows where, how, and in what direction to land the SA-16 Albatross on water, and conditions under which landings should not be attempted at all. Includes the following: how to judge water conditions, wind direction, and speed; checking for debris; taxiing on water; anchoring; towing procedures; instrument water landings; crosswind take-offs and landings; downwind take-offs and landings; use of reverse thrust; and JATO and circular take-offs.
*Borrow from* AF. *Cleared for tv.*

**The amphibious marines** (*Motion picture*) U. S. Marine Corps, 1952. Made by U. S. Dept. of the Navy.
21 min., sd., b&w, 16 mm.
Order no. MH 6778.
*Summary:* Portrays the history of the amphibious operations of the U. S. Marines from 1775 to 1952.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Amphibious warfare series
see
Medical support in ship to shore operations

Amputations series
see
Guillotine amputation of the lower extremity
Revision and reamputation of the lower extremity
The upper extremity

**The anaesthesiologist positions the patient** (*Motion picture*) U. S. Veterans Administration, 1959.
22 min., sd., color, 16 mm.
*Summary:* Describes the various standard positions, equipment, and techniques for correct positioning of patients for varied types of surgery.
*Borrow from* VA.

**Analysis for calcium** (*Motion picture*) U. S. Dept. of the Navy, 1957.
12 min., sd., color, 16 mm.
Order no. MED 8-57.
*Summary:* Demonstrates the step-by-step procedures of two basic operations in analysis for calcium: the standardization of potassium permanganate solution, and the determination of calcium in serum.
*Borrow from* Navy.

**Analysis of maneuvers, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

37 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Instrument flight control series)

Order no. SN 1059-e.

*Summary:* Explains the difference between contact and instrument flying; how to maintain constant heading, deal with changing air density, and account for altitudes.

*Borrow from* Navy. *Buy from* UWF.

**Analysis of maneuvers using instruments** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Instrument flight control series)

Order no. SN 1059-w.

*Summary:* Explains the forces acting on a plane in flight and the reasons for banking and turning.

*Borrow from* Navy. *Buy from* UWF.

**Analysis of the effect of focal plane shutter on photographs recorded with the NACA high-speed camera** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

20 min., sd., b&w, 16 mm.

Order no. TF 21.

Revision of the 1946 silent film with the same title.

*Summary:* Explains the effect of focal plane shutter on photographs taken at the rate of 40,000 frames per second with the NACA high-speed camera. For technical personnel, to be used with NACA Report 856: the NACA high-speed motion-picture camera optical compensation at 40,000 photographs per second.

*Borrow from* NASA.

**Anatomy and physiology: The digestive system** (*Filmstrip*) U. S. Dept. of the Army, 1952.

50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.

Order no. SFS 8-134.

*Summary:* Through drawings explains the digestive system and its organs, and the mechanical and chemical action on food to prepare it for use by the body.

*Borrow from* Army.

**Anatomy and physiology: The lymphatic system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

35 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.

Order no. SFS 8-132.

*Summary:* Describes the anatomy and physiology of the lymphatic system. Discusses the vital importance of tissue fluid which passes into the lymphatics to form lymph. Explains how the lymphatic vessels serve as a drainage system; how the activities of the lymphatic vessels, blood vessels, and various other organs are coordinated; the effect of the skeletal system and breathing upon the lymphatic vessels; and how the lymph nodes defend the body against the spread of infection.

*Borrow from* Army.

**Anatomy and physiology: The male reproductive system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

34 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.

Order no. SFS 8-130.

*Summary:* Explains by means of charts the anatomy and physiology of the human male reproductive system. For medical organizations and allied groups.

*Borrow from* Army.

**Anatomy and physiology: The muscular system** (*Filmstrip*) U. S. Dept. of the Army, 1954.

48 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 11 min.

Order no. SFS 8-129.

*Summary:* Explains the functioning and structure of the muscular system, including striated or skeletal muscles which control voluntary movement, smooth muscles which control involuntary action, and cardiac muscles which control heart movement; characteristics of contractility and irritability; and tonus in skeletal muscles.

*Borrow from* Army. *Buy from* UWF.

**Anatomy and physiology: The respiratory system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

46 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. SFS 8-154.

*Summary:* Describes the anatomy and physiology of the respiratory system. Explains and illustrates in detail the exchange of oxygen for carbon dioxide through the respiratory system, covering the mechanism and routes governing internal and external respiration. Discusses the action of the diaphragm, the pleura, and the respiratory center in connection with the lungs. Defines the various types of breathing—accelerated (hyperpnea), regular (eupnea), and labored (dyspnea); and the cessation of breathing caused by shock, drowning, or suffocation (apnea)

*Borrow from* Army.

**Anatomy and physiology: The skeletal system** (*Filmstrip*) U. S. Dept. of the Army, 1955.

58 fr., color, 35 min. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.

Order no. SFS 8-131.

*Summary:* Describes the anatomy and physiology of the skeletal system, including functions of bones, characteristics and functions of various types of bones, and characteristics and functions of the axial skeleton and appendicular skeleton.

*Borrow from* Army. *Buy from* UWF.

**Anatomy and physiology: The urinary system** (*Filmstrip*) U. S. Dept. of the Army, 1956.

28 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.

Order no. SFS 8-133.

*Summary:* Discusses the anatomy and physiology of the urinary system, explaining how wastes are formed and eliminated from the body. Covers the location, physical characteristics, and functioning of each of the organs in the system: kidneys, ureters, urinary bladder, and urethra.

*Borrow from* Army. *Buy from* UWF.

**The anatomy of the honeybee** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

33 fr., b&w, 35 mm.

Order no. 151.

With lecture notes.

*Summary:* Shows the structure and parts of the worker, queen, and drone.

*Buy from* PhotoLab.

**Anchoring and mooring seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1943.

64 fr., b&w, 35 mm.

Order no. SN 929.

*Summary:* Shows how to drop, secure, and weigh anchor; and how to moor seaplanes at permanent bases.

*Borrow from* Navy. *Buy from* UWF.

**Anchors aweigh** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

3 min., sd., b&w, 16 mm.

*Summary:* The U. S. Navy song, sung off-screen by Conrad Thibault, against appropriate scenes of naval operations at sea.

*Buy from* UWF.

**The ancient curse** (*Motion picture*) U. S. Dept. of State, 1952. Made by Educational Film Corp. of America. Released for educational use in the United States through U. S. Office of Education, 1952.

44 min., sd., b&w, 16 mm.

*Summary:* Emphasizes the importance of international cooperation in extending health benefits throughout the world, and explains the work of the World Health Organization with particular reference to the anti-malaria campaign in Thailand. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Ancylostoma caninum in the intestine of the dog** (*Motion picture*) U. S. Public Health Service, 1952.

5 min., sd., b&w, 16 mm.

Order no. M 115.

*Summary:* Depicts the blood-sucking activities and copulation of adult hookworms in the intestine of the dog. A study film for biologists and parasitologists.

*Borrow from* PHS. *Buy from* UWF.

**And now Miguel** (*Motion picture*) U. S. Information Agency, 1953. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1954.

63 min., sd., b&w, 16 mm.

*Summary:* Story of an American family in the Southwest to whom the traditions of sheep-raising have come down through generations from Spanish ancestors. Portrays their family life and the fulfillment of young Miguel's dream of being accepted on an equal footing by his father and older brothers. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

Andrew Jackson dominates the political scene
see American history I, lecture 10: Andrew Jackson dominates the political scene

**Animals for research** (*Motion picture*) U. S. Dept. of the Army, 1958.

28 min., sd., color, 16 mm.

Order no. PMF 5322.

*Summary:* Describes the procedures and techniques employed in breeding disease-free animals for use in scientific research projects, including the methods and principal factors involved in establishing and maintaining a disease-free colony, techniques and equipment used in breeding, and the transportation of the animals to research laboratories.

*Borrow from* Army.

**Animals in rocket flight** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

14 min., sd., b&w, 16 mm.

Order no. SFP 316.

*Summary:* Record of an experiment in which two monkeys and two white mice were enclosed in an Aerobee rocket sent to a height of 37 miles. Shows their physical reactions measured by instruments during the flight, and their return, unharmed, by parachute to the ground.

*Borrow from* AF. *Cleared for tv.*

**The Annapolis story** (*Motion picture*) U. S. Dept. of the Navy, 1954.

28 min., sd., color, 16 mm.

Order no. MN 9241.

*Summary:* Explains and illustrates the life and training of midshipmen at the U. S. Naval Academy.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Another light** (*Motion picture*) U. S. Public Health Service, 1952. Made by Film Documents.

24 min., sd., b&w, 16 mm.

*Summary:* Tells the story of a small town and its new hospital, showing in particular the reactions of an elderly farmer, a housewife, and a businessman. Explains how the people of the town helped raise construction funds, how the hospital serves the people of the community, and how the people support the hospital.

*Borrow from* PHS.

**Antarctic expedition** (*Motion picture*) U. S. Dept. of the Army, 1947.

18 min., sd., b&w, 16 mm.

Order no. ANEM 85.

*Summary:* Record of the 1946–47 expedition to the Antarctic regions conducted under the leadership of Admiral Richard E. Byrd.

*Borrow from* Army.

Antarctic expedition
see also
Operation Highjump

**Anterior acrylic bridgework. Part 2: Laboratory procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Dentistry series)

Order no. MN 4332-b.

*Summary:* Demonstrates laboratory technique of precision casting of acrylic bridgework; molding of several teeth as one unit; process of tooth extraction; and final insertion of bridgework. For dental personnel.

*Borrow from* Navy. *Buy from* UWF.

**Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

5 min., sd., color, 16 mm. (Dentistry series)

Order no. MN 4332-c.

*Summary:* Demonstrates construction of acrylic bridgework for one or two teeth; explains simplified procedures; and presents technique of carving a model in a patient's mouth. For dental personnel.

*Borrow from* Navy. *Buy from* UWF.

**Anyone for nursing?** (*Motion picture*) U. S. Public Health Service, 1957.

17 min., sd., color, 16 mm.

Order no. PG 280.

*Summary:* Describes the nursing programs of the U. S. Public Health Service.

*Borrow from* PHS. *Buy from* Byron.

**Anytime—anything—anyplace** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.

Order no. SFP 634.

*Summary:* Portrays the functions and services of the Military Air Transport Service.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Aphasia series
see
Introduction to aphasia
Social adjustment for the aphasic patient
Testing and individual therapy for the aphasic patient

**Appalachian Trail** (*Motion picture*) U. S. Dept. of State, 1951. Made by Mitchell Film Associates. Released for public educational use through U. S. Office of Education, 1952.

11 min., sd., b&w, 16 mm.

*Summary:* Explains the development and purpose of the Appalachian Trail, extending over 2,000 miles through the Appalachian Mountains along the eastern coast of the United States; and includes scenes of campers, hikers, and explorers using the trail as a mountain playground. Prepared for overseas use.

*Buy from* UWF.

**An apple a day** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

6 min., sd., color, 16 mm. (Consumer education shorts)

*Summary:* Explains the selection, care, and uses of apples. Produced especially for use on television.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Apple handling methods** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

30 min., sd., color, 16 mm.

*Summary:* Summarizes the results of research conducted in apple packing and storage houses in the Pacific Northwest to develop improved work methods, devices, and equipment for handling apples. Portrays developments brought about by this research, including a mechanical lift for high-piling and breaking-out piled boxes of apples.

*Rent from* DA film libraries. *Buy from* DA.

**An apple is like a bag of eggs** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

32 double fr., b&w, 35 mm.

Order no. 701.

*Summary:* Explains the need for careful handling of apples from producer to consumer.

*Buy from* PhotoLab.

**Apple packing methods** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
28 min., sd., color, 16 mm.
*Summary:* Summarizes the results of research conducted in apple packing and storage houses in the Pacific Northwest to develop improved work methods and equipment for sorting, sizing, accumulating, and packing apples. Shows a reverse roll sorting table with adding lanes and cull chutes, a "float-roll" sorting table, a transverse roll sizer, a system of return flow belts for accumulating fruit, and an automatic box filler. Depicts various packing room operations such as dumping, lidding, labeling, and tallying.
*Rent from DA film libraries. Buy from DA.*

**Application of Pascal's law, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.
13 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1720-c.
*Summary:* Reviews Pascal's law and demonstrates its application in the operation of a hydraulic system.
*Borrow from Navy. Buy from UWF.*

**Application of Pascal's law, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1720-d.
*Summary:* Demonstrates Pascal's law, using two output pistons; explains the principles of hydraulic brakes and the hydraulic jack.
*Borrow from Navy. Buy from UWF.*

Application of simultaneous equations
see **Beginning algebra I, lecture 16: Application of simultaneous equations**

**Applying the army leg splints** (*Filmstrip*) U. S. War Dept., 1945.
37 fr., b&w, 35 mm.
Order no. FS 8-99.
*Summary:* Demonstrates application of the U. S. Army leg splint on a subject.
*Borrow from Army.*

**Appointment in Tokyo** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
55 min., sd., b&w, 16 mm. (Campaign reports series)
Order no. CR 4.
*Summary:* Historical film record of General MacArthur's operations from the fall of Corregidor in 1942 to the surrender of Japan in 1945.
*Borrow from Army. Buy from UWF.*

**Appraisal of the hazards of friction-spark ignition of aircraft crash fires** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.
16 min., si. at sd. speed, color, 16 mm.
*Summary:* Demonstrates the rapidity with which some metals commonly used in aircraft construction can produce friction sparks capable of igniting combustible liquids that might be spilled in an airplane crash. For technical personnel, to be used with NACA Technical note 4024: Appraisal of the hazards of friction-spark ignition of aircraft crash fires.
*Borrow from NASA.*

**Appraising soils for soil absorption systems** (*Motion picture*) U. S. Public Health Service, 1953.
18 min., sd., b&w, 16 mm. (Individual sewage disposal systems, no. 2)
Order no. M 59-b.
*Summary:* Explains the theory of soil absorption; demonstrates soil absorption characteristics and tests; discusses the relationship of test findings to the size and construction of the tile absorption field.
*Borrow from PHS. Buy from UWF.*

**Apprehension and search of persons** (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. TF 19-2287.
*Summary:* Depicts the techniques employed by military police in the apprehension and search of offenders. Dramatized incidents show the military policeman's demeanor in taking persons into custody and in conducting searches of 3 types—frisk, wall search, complete search. Shows the use of handcuffs and the proper disposition of female offenders.
*Borrow from Army.*

**Apprentice training** (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.
30 min., sd., b&w, 16 mm.
*Summary:* Illustrates the major features of a planned apprentice training program in the U. S. construction industry, and portrays the steps in advancing through apprenticeship to journeyman status in the brick-laying trade. Prepared for overseas use.
*Buy from UWF.*

**An approach to understanding dynamics** (*Motion picture*) U. S. Veterans Administration, 1950.
34 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 3)
*Summary:* Depicts an interview between a patient and a psychiatrist; analyzes the dynamics of the interview; and explains the patient's reactions to certain experiences and the meaning of these reactions to the psychiatrist. For professional personnel only.
*Borrow from VA. Buy from UWF.*

**Arctic airlift** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
11 min., sd., color, 16 mm.
Order no. SFP 619.
*Summary:* Depicts the training necessary to keep the Military Air Transport Service planes and crews geared to their wartime airlift mission in support of SAC (Strategic Air Command) activities in the Arctic; shows how MATS conducts this training.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Arctic engine oil** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
7 min., sd., b&w, 16 mm.
Order no. FB 9-221.
*Summary:* Traces the development and testing of a new arctic engine oil at Fort Churchill, Canada; explains how it functions and gives the proper lubrication schedule.
*Borrow from Army. Buy from UWF.*

**Arctic igloo** (*Motion picture*) U. S. Dept. of Defense, 1948.
10 min., sd., b&w, 16 mm.
On reel with Something about a soldier.
Released also under the title Construction of Arctic igloo (order no. FB 229)
Order no. AFSR 95.
*Summary:* The construction of an Arctic igloo.
*Borrow from Army. Buy from UWF. Cleared for tv.*

Arctic igloo
see also
Construction of Artic igloo

**Arctic indoctrination school, winter 1950** (*Motion picture*) U. S. Dept. of the Army, 1950.
15 min., sd., b&w, 16 mm.
Order no. MF 20-7725.
*Summary:* Highlights of the U. S. Army's Arctic indoctrination school conducted at Big Delta, Alaska, during the winter of 1950, including snowshoe and ski techniques, bivouac in the snow, construction of various types of shelters, and other winter exercises.
*Borrow from Army. Cleared for tv.*

**Arctic rampart** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. RTAF 148.
Condensation of the U. S. Dept. of the Army motion picture with title Operation Blue Jay, order no. MF 45-7947.
*Summary:* Describes the construction of a United States air base at Thule, Greenland, during 1952, and emphasizes its strategic military significance. Prepared for use by U. S. Armed Forces personnel.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Arctic shipping: MSTS Arctic operations** (*Motion picture*) U. S. Dept. of the Navy, 1958.
25 min., sd., color, 16 mm.
Order no. MN 8647-b.
*Summary:* Describes the major problems encountered during Arctic sea lifts for the resupply of weather stations and military bases and for the construction of DEWLINE sites. Includes discussion of aerial reconnaissance, hydrographic surveys, outfitting and preparation of ships, cargo operations, training of crews, good seamanship, and preparation for wintering in.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Are you really a man?** (*Motion picture*) U. S. Dept. of the Army, 1959.
7 min., sd., b&w, 16 mm.
Order no. TF 16-2728.
*Summary:* Dramatized story illustrating the concept of courage. Made for use by Army chaplains.
*Borrow from Army.*

**Area poisoning** (*Motion picture*) U. S. Public Health Service, 1954.
9 min., sd., b&w, 16 mm. (Rodent control, no. 7. Practical rat control, no. 4)
Order no. M 37.1-f (2).
Revision of motion picture Rat killing, produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Discusses the uses of such rodenticides as red squill, ANTU, arsenic trioxide, 1080 water, and warfarin.
*Borrow from PHS. Buy from UWF.*

**The Argonaut** (*Motion picture*) U. S. Atomic Energy Commission, 1957.
13 min., sd., color, 16 mm.
*Summary:* Explains that the Argonaut (Argonne's nuclear assembly for university training) is a low power training-research reactor, the need for such a reactor in the AEC's program, and its applications to the International School of Nuclear Science and Engineering at Argonne. Describes design features, operation, and some of its applications.
*Borrow from AEC. Buy from Byron. Cleared for tv.*

**The Argonne gamma irradiation facility** (*Motion picture*) U. S. Atomic Energy Commission, 1957.
20 min., sd., color, 16 mm.
*Summary:* Explains that the Argonne gamma irradiation facility utilizes the radiation from fission products to provide a gamma irradiation flux up to 2 million roentgens per hour for research purposes and that irradiation service is made available to private and governmental research organizations. Shows how the intense gamma rays from spent fuel elements removed from the MTR are used at Argonne for irradiation services and describes the arrangement for handling the fuel elements and the samples to be irradiated.
*Borrow from AEC. Buy from Byron. Cleared for tv.*

**Arizona and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1954. Made by Frederick K. Rockett Co.
28 min., sd., color, 16 mm.
Revision of the 1946 film with the same title.
*Summary:* Shows panoramic views of Arizona; principal copper-producing centers; the drilling, blasting, loading, crushing, smelting, and refining of copper; agriculture, irrigation, Indian life, national monuments, etc.
*Borrow from BM. Cleared for tv.*

**Armed Forces Day** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFSM 551.
*Summary:* Pays tribute to the Armed Forces on the 10th anniversary of their unification under the Dept. of Defense; stresses the role of the Armed Forces as a force for peace; and shows American servicemen stationed throughout the world acting as emissaries of good will.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Armed forces education: Take time for tomorrow** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm.
Order no. MN 6649.
*Summary:* Portrays educational opportunities available to personnel of the National Military Establishment. Describes academic and vocational courses; shows how classes are conducted, study materials prepared, correspondence lessons graded; and how to enroll for study.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Armed forces of the U. S. A.** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.
28 min., sd., b&w, 16 mm.
Order no. AFIF 9.
*Summary:* Shows the place of the armed forces in the U. S. Governmental organization—their roles and missions.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Armed Forces screen magazine, no. 501** (*Motion picture*) U. S. Dept. of Defense, 1952.
17 min., sd., b&w, 16 mm.
Order no. AFSM 501.
*Summary:* Shows the U. S. Navy's role in traffic control on the Rhine River; four-wheel landing gear on Army liaison planes; a ribbon parachute; a helicopter delivering patients to a hospital ship; an airborne guided missile; and Armed Forces personnel skiing in Japan and the Alps.
*Borrow from Army. Cleared for tv.*

**Armed Forces screen magazine, no. 502** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.
24 min., sd., b&w, 16 mm.
Order no. AFSM 502.
*Summary:* Shows an M48 Patton tank, the U. S. S. Wisconsin in action off the coast of Korea, service personnel competing for places on U. S. Olympic teams, and dog training in the Army.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Armed Forces screen magazine, no. 503** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.
13 min., sd., b&w, 16 mm.
Order no. AFSM 503.
*Summary:* Discusses developments in vest armor and lightweight rifles, research in air currents, transportation of troops by carrier borne helicopters, and describes a new troop ship, the USNS Barrett.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Armed Forces screen magazine, no. 504** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. AFSM 504.
*Summary:* Discusses principles of atomic power used in a submarine, and daily routine of WACs in Europe; shows the 1952 football game between Air Force and Marine Corps teams, views of Pacific Islands that were battlegrounds, and firing of the Aerobee rocket in New Mexico.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Armed Forces screen magazine, no. 505** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFSM 505.
*Summary:* Scenes of snow removal equipment being demonstrated in the Sierras; Army and Air Force competition in the National Barber Shop Quartet contest; a Navy centrifuge used to test airmen's reaction to flight pressures; combat action in Korea; and inter-service football games.
*Borrow from* Army. *Cleared for tv.*

**Armed forces screen magazine, no. 506** (*Motion picture*) U. S. Dept. of Defense, 1953.
21 min., sd., b&w, 16 mm.
Order no. AFSM 506.
*Summary:* Treats the following subjects: Army troops learning mountain climbing; Wac's at an officer candidate school; operations of a Navy icebreaker, USS Burton Island; and the 1952 Army-Navy football game.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 507** (*Motion picture*) U. S. Dept. of Defense, 1953.
18 min., sd., b&w, 16 mm.
Order no. AFSM 507.
*Summary:* Pictures a demonstration of a portable iron lung; soldiers being taught railroading; sculpture of the 1945 flag raising on Iwo Jima; soldiers erecting a school in Korea; and airmen being taught judo by Japanese.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 508** (*Motion picture*) U. S. Dept. of Defense, 1953.
19 min., sd., b&w, 16 mm.
Order no. AFSM 508.
*Summary:* Shows a meteorological weather wind computer; a new Air Force stratojet bomber; Korean orphans receiving clothing and candy; the Navy testing new weapons at Dahlgren; and servicemen enjoying winter sports at Garmisch-Partenkirchen.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 509** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 509.
*Summary:* Scenes of the F84-F fighter bomber; a firefighting jeep for use on Navy carrier decks; helicopters used to set up a smoke screen; modern facilities of a hospital ship; briefing on the military situation in Formosa as of March 1953; and the Navy School of Music where musicians from all branches of the Armed Services are trained.
*Borrow from* Army.

**Armed Forces screen magazine, no. 510** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 510.
*Summary:* Activities and developments in U. S. Armed Forces, including a new Navy jet plane, an Army "winterproof" suit, a Navy submarine crew spending two months under water, and soldiers from the Korean front on a five-day pass in Japan.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 511** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
[illegible] min., sd., b&w, 16 mm.
Order no. AFSM 511.
*Summary:* Scenes of a basketball game between the Navy and the Marine Corps played at Omaha University, and of the boxing championship fights between members of the different armed services at the Naval Training Center in Bainbridge, Md.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 512** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 512.
*Summary:* Shows B-47 airplanes refueling in mid-air; damage control methods on a sinking ship; and training in hand-to-hand combat in an Army "struggle pit."
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 513** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFSM 513.
*Summary:* Shows "Mighty Mite," the all purpose amphibious jeep of the Marine Corps; Navy tests of a hydrofoil boat; model airplane exhibitions; and an inter-service track meet.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 514** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 514.
*Summary:* Shows a two-rotor helicopter, ambulance jeep, and a giant tractor; origin and production of the Army newspaper "Stars and stripes"; and close formation flying by Navy planes.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 515** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 515.
*Summary:* Scenes of an Air Force demonstration of its Kangaroo plane; Signal Corps mobile televison units at West Point; U. S. Naval Academy "middies" on the annual summer cruise; and Armed Forces personnel touring the UN headquarters in New York.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 516** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 516.
*Summary:* Shows an experimental wrist watch radio; formation flying by Air Force planes; Taylor Model Basin; and a football game between the Air Force and the Marines.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 517** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 517.
*Summary:* Describes Berlin in 1954 and explains the division of the city into Eastern and Western sectors.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 518** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 518.
*Summary:* Scenes of the F-100 and X-3 planes; the prisoner of war story in Korea; and the 1953 Army-Navy football game.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 519** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
13 min., sd., b&w, 16 mm.
Order no. AFSM 519.
*Summary:* Activities and events of the U. S. Armed Forces, including an interview with the oldest sergeant in the Armed Forces, and scenes of an 800-ton floating dock, launching of a new research plane, a rifle match at Quantico, and wind tunnels at Langley Air Force Base.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 520** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 520.
*Summary:* Scenes of a Navy doctor administering anesthesia to children with a "space helmet"; changing of the guard between American and Russian occupation forces in Vienna; and the history of the "Retreat" ceremony with an original score by the U. S. Army Band.
*Borrow from* Army. *Cleared for tv.*

**Armed Forces screen magazine, no. 521** (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 521.
*Summary:* Scenes of a new hospital evacuating plane; delivery to the Marine Corps of a twin-engine helicopter; basketball game between WAF's of Keesler and Lackland Air Force bases; and the "Nike" missile.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 523** (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
11 min., sd., b&w, 16 mm.
Order no. AFSM 523.
*Summary:* Scenes of the Army's new rocket "Honest John" and guided missile "Corporal"; of a horse-drawn caisson unit at Fort Myer; and of the U. S. Naval Observatory.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 524** (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 524.
*Summary:* Shows the new T-43 tank, Army engineers laying a bridge in Japan, civilian benefits from Armed Forces research and development, and the origin and background of the Air Force button.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 525** (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 525.
*Summary:* Scenes of a rocket-propelled sled of the Air Force traveling at 420 miles per hour; duties and services of the Alaskan National Guard; and the work of Army's criminal investigation detachment in Europe.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 526** (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 526.
*Summary:* Sequences showing the Navy steam catapult for carrier-based planes and the Viking rocket; the twelfth anniversary of USAFI (U. S. Armed Forces Institute); and the background of the salute, universally accepted as a military greeting.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 527** (*Motion picture*)
U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFSM 527.
*Summary:* Sequences showing New York as seen through the new 100-inch Signal Corps lens; electronic devices protecting vehicles from ice crevasses in Greenland; scenes of Panama; inter-service boxing; and Air Force and Army barbershop quartets.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 530** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFSM 530.
*Summary:* Scenes of Air Force mess sergeants being given lessons by master chefs at the George V Hotel in Paris; the background of military insignia; lanes of the Arctic Ocean opened by ships of the U. S. Navy; bombing contests by B-36's and B-47's of the Strategic Air Command; and a demonstration of fighter planes from Eglin Air Force Base.
*Borrow from* Army.

**Armed Forces screen magazine, no. 532** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 532.
*Summary:* Scenes of the Navy launching the carrier Forrestal; a practice alert at a "Nike" guided missile base near Washington, D. C.; the Air Force launching a jet fighter from a mobile truck-trailer; and a tour of the WAC Center at Fort McClellan, Alabama.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 533** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 533.
*Summary:* Scenes of Mount Vernon as it may have looked to George Washington 200 years ago; and the story behind the development of the U. S. Marine Corps uniform.
*Borrow from* Army.

**Armed Forces screen magazine, no. 534** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 534.
*Summary:* Shows a droppable take-off gear developed by the Air Force; views, taken from a Navy blimp, of catapult launchings aboard the aircraft carrier U. S. S. Hancock; night-time footage of a new electrified flight-direction suit; a portable atomic X-ray developed by the Army; and tells the story of an expedition across 1,000 miles of the Greenland icecap.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 535** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 535.
*Summary:* Scenes of U. S. Armed Forces activities including Air Force underground housing installations in the Far North; an underground atomic explosion at Desert Rock; launching of the Navy submarine Nautilus; Army GI's relaxing in Germany; and Army and Air Force teams competing in a bobsled race at Lake Placid, N. Y.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 536** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 536.
*Summary:* Highlights of the 1955 Pan American Olympic Games held in Mexico City in which many U. S. servicemen competed.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 537** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 537.
*Summary:* Scenes of a Navy version of a flying saucer; the latest electronic device of the Signal Corps; the inner workings of an atomic submarine; and the B-36 bomber.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 538** (*Motion picture*)
U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 538.
*Summary:* Scenes of a diagnostic heart radio of the Navy; children at Fort Myer with coonskin caps and shooting irons; and of President Eisenhower's 40th class reunion held at West Point during June Week.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 539** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 539.
*Summary:* Scenes of the Navy's Terrier, a self-guided missile, tracking down its target; an Army training ship that never goes to sea; the airplane Bell X2; a new link in the U. S. radar defense chain, the Texas Tower; and survival training on the Greenland icecap.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 540** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 540.
*Summary:* Short picture stories about the U. S. S. Forrestal, new Navy planes, Army's Ontos tank destroyer, and experimental tests on ejection seats for the Air Force. Shows evidence that foot soldiers can survive an atom blast, and presents a brief history of the Marine Corps Band.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 542** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFSM 542.
*Summary:* Describes U. S. Armed Forces activities, and includes scenes of a radio-controlled drone aircraft, a new submarine, a new swept-wing jet bomber, and a young service couple on vacation in the Bavarian Alps.
*Borrow from* Army. *Cleared for tv.*

**Armed Forces screen magazine, no. 543** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 543.
*Summary:* Scenes of a new portable TV camera which enables the command post to watch front line action; a vertical air jet experimental model, the Aerodyne; an experimental one man flying machine, the Aerocycle; and cooperative activities of the Air Force and Navy in securing information on hurricane movements.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 544** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 544.
*Summary:* Scenes of various U. S. Armed Forces activities, including crew demonstration of cross-wind landing gear; Navy automatic operating mechanism for sending weather data; Army Transportation Corps demonstration of landing craft retriever; logistical cargo carrier for carrying heavy loads over snow; dog training by the Army in Germany as viewed by the dog; Navy frogmen fishing in waters off the Virgin Islands; and an animated sequence on the Bill of rights.
*Borrow from* Army.

**Armed Forces screen magazine, no. 545** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFSM 545.
*Summary:* Shows scenes of Navy jet planes steam-catapulted from the carrier Forrestal; a jet plane making a bad landing on the carrier Essex and a helicopter rescuing the pilot; and artists explaining how they intend to illustrate points in the Code of conduct for members of the Armed Forces.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 546** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
10 min., sd., b&w, 16 mm.
Order no. AFSM 546.
*Summary:* Scenes of a new amphibious truck of the Army making its trial run; Airman Marko Miletich's trip to New York as a reward for winning the Freedoms Foundation award for his essay on What America means to me; and a practice radar patrol mission in a new Navy blimp.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 547** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 547.
*Summary:* Scenes of various U. S. Armed Forces activities, including installation in the Air Force Museum of a replica of the first military aircraft; features and capabilities of the new C-133 air transport; tests in a super-heated oven of a new aluminized crash suit; demonstration by a young WAF of her judo technique on a male partner; and life of the airmen who operate and maintain the radar equipment on the first sea radar station, Texas Tower, off the Atlantic coast.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 548** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFSM 548.
*Summary:* Scenes of various U. S. Armed Forces activities, including a report on new legislation giving larger benefits to military personnel; tests of a rocket-driven sled traveling at supersonic speed; the Navy's new TV helicopter; German and American competition in sailplane launching; Navy demonstration of its new device for high-speed recovery of frogmen from the water; F-100 jet fighters refueling in mid-air; operation of the new 20 mm. multi-barreled machine gun; and an Army aerial tramway system operating between shore and off-shore towers.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Armed Forces screen magazine, no. 580** (*Motion picture*) U. S. Dept. of Defense, 1960.
22 min., sd., b&w, 16 mm.
Order no. AFSM 580.
*Contents:* Champion football highlights, 1959–60: Colts vs. Giants, NFL championship.—Sugar Bowl, L. S. U. vs. Ole Mississippi.—Cotton Bowl, Texas vs. Syracuse.—Rose Bowl, Washington vs. Wisconsin.—Service highlights: "Li'l Tigers."—Know your post.—The falcon, Air Force mascot.—Navy triple-threat rocket.
*Borrow from* Army. *Cleared for tv.*

**Armies of the world. Part 2: The Soviet soldier** (*Motion picture*) U. S. Dept. of the Army, 1955.
29 min., sd., b&w, 16 mm.
Order no. TF 30-1966.
*Summary:* Discusses the psychological conditioning and fighting capabilities of the Soviet soldier, pointing up the differences between Soviet and American doctrine; depicts the military training and ideological indoctrination afforded the soldier.
*Borrow from* Army. *Cleared for tv.*

**Armor combat power** (*Motion picture*) U. S. Dept. of the Army, 1958.
24 min., sd., b&w, 16 mm.
Order no. TF 17-2504.
*Summary:* Describes the combat power of armor—its advantages of firepower, mobility, armor protection, and shock action on the battlefield; the missions, organization, and fire potential of the tank platoon and the armored infantry platoon; support missions performed by the armored engineers, the scout platoon, Army aviation, tactical air, and tactical atomic weapons; and illustrates the organic fire of the platoons supported by artillery and mortar in a non-tactical fire demonstration and an armor team conducting an attack supported by both atomic and non-atomic fire in a tactical demonstration.
*Borrow from* Army.

**The Army command and administrative network. Part 1: Network facilities** (*Motion picture*) U. S. Dept. of the Army, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 11-2317.
*Summary:* Explains the development, mission, and operation of the Army command and administrative network (ACAN), consisting of stations throughout the world interconnected by means of strategically located multi-channel radio teletypewriter and telephone systems. Shows the use of semiautomatic tape relay equipment, facsimile equipment, voice radio channels, and facilities for teletypewriter conferences.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

The Army cook series
see
Cutting a forequarter of beef
Cutting a hindquarter of beef
Meat cutting tools and equipment

**Army crafts program** (*Filmstrip*) U. S. Dept. of the Army, 1953.
59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 12-19.
*Summary:* Explains the purpose, organization, administrative aspects, and activities of the U. S. Army crafts program, including leather crafts, rock and clay crafts, metal and plastic crafts, woodworking, painting, and photography.
*Borrow from* Army.

**The Army Dental Service** (*Motion picture*) U. S. Dept. of the Army, 1957.
26 min., sd., color, 16 mm.
Order no. MF 12-8732.
*Summary:* Discusses the Army Dental Service and its advantages from the personal and professional aspects. Explains the Army dental program, covering its clinical, laboratory, research, and teaching activities.
*Borrow from* Army. *Cleared for tv.*

**The Army: Deterrent to aggression** (*Motion picture*) U. S. Dept. of the Army, 1960.
27 min., sd., b&w, 16 mm.
Order no. AIF 12.
*Summary:* Describes the missions and capabilities of the U. S. Army.
*Borrow from* Army.

**The Army entertainment program** (*Filmstrip*) U. S. Dept. of the Army, 1954.
64 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 12-101.
*Summary:* Discusses various recreational activities planned and provided for soldiers at U. S. Army installations, service clubs, hospital wards, on ships, and in combat areas.
*Borrow from* Army.

**Army Explorer in space** (*Motion picture*) U. S. Dept. of the Army, 1958.
14 min., sd., color, 16 mm.
Project no. 86022.
*Summary:* Describes the development and launching of the Army's earth satellite, Explorer, including various rocket stages and satellite instrumentation, equipment used to track the flight of the rocket and satellite in space, and the pre-launching checks, countdown, and firing action at Cape Canaveral on January 31, 1958.
*Borrow from* Army.

**Army library program** (*Filmstrip*) U. S. Dept. of the Army, 1954.
66 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 12-17.
*Summary:* Explains the U. S. Army library program covering organization and structure, qualifications and duties of library personnel, and the role of library services in military life.
*Borrow from* Army.

**Army medical laboratories** (*Motion picture*) U. S. Dept. of the Army, 1947.
39 min., sd., b&w, 16 mm.
Order no. FB 8-217.
*Summary:* The activities of Army medical laboratories during World War II. Through documentary sequences shows the functions of laboratory units in a theater of operations, communication zones, and the zones of interior; through an animated sequence shows the overall organization and communication set-up in the world network of laboratories.
*Borrow from* Army.

**Army-Navy football game, 1948** (*Motion picture*) U. S. Dept. of the Navy, 1948.
35 min., sd., color, 16 mm.
Order no. MN 6749.
*Summary:* Highlights of the 1948 football game between the U. S. Military Academy and the U. S. Naval Academy.
*Borrow from* Navy.

**Army-Navy football game, 1954** (*Motion picture*) U. S. Dept. of the Navy, 1955.
27 min., sd., b&w, 16 mm.
Order no. MN 8240.
*Summary:* Activities at the U. S. Naval Academy preceding the game and scenes of the 1954 Army-Navy football game at Philadelphia.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Army package power reactor** (*Motion picture*) U. S. Dept. of the Army, 1958.
26 min., sd., color, 16 mm.
Order no. MF 5-8986.
*Summary:* Describes the purpose, development, construction, and operation of the Army package power reactor.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Army ROTC** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm.
Order no. MF 145-7743.
*Summary:* Portrays the advantages and values of the Army Reserve Officers' Training Corps to high-school seniors and college freshmen.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Army ROTC: Learn today, lead tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
24 min., sd., color, 16 mm.
Order no. MF 45-7912.
*Summary:* Shows the activities of a young college student while enrolled in the school's Reserve Officers Training Corps. Emphasizes that ROTC provides America with reserve officers for emergencies.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Army sports** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
10 [illegible], sd., b&w, 16 mm.
Or[illegible] with Operation Portrex.
Order no. AFSR 120.
*Summary:* Explains the Army sports program and how it is designed to stimulate the physical well-being of soldiers.
*Borrow from* Army. *Cleared for tv.*

**The Army statistical and accounting system** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
32 min., sd., b&w, 16 mm.
Order no. TF 12-1653.
*Summary:* Explains the use of machines, filing methods, and working procedures in compiling and maintaining current information on military personnel.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Army's Corps of Engineers** (*Motion picture*) U. S. Army Engineers, 1955.
14 min., sd., b&w, 16 mm.
*Summary:* Reviews the history, traditions, and current activities of the Corps of Engineers. Illustrates the role of the combat engineer, the research and development program of the Corps, construction and research activities in the Arctic, and civil and military construction programs.
*Borrow from* Eng. *Buy from* UWF. *Cleared for tv.*

**Army's Nike guards Nation's Capital** (*Motion picture*) U. S. Dept. of Defense, 1955.
5 min., si., b&w, 16 mm.
Order no. DD 184-54.
*Summary:* Series of scenes made at the launcher station near Lorton, Va., showing how the guided missile, "Nike," is brought in position to fire during a simulated enemy aircraft attack.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Around this table** (*Motion picture*) U. S. Information Agency and North Atlantic Treaty Organization, 1955. Made by Cinetone Studios, Amsterdam. Released for public educational use in the United States through U. S. Office of Education, 1955.

17 min., sd., b&w, 16 mm.

*Summary:* Explains that the permanent civilian staff of the North Atlantic Treaty Organization is responsible for resolving individual problems involved in carrying out policy decisions of the North Atlantic Council. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The art of the Florentine golden age in the National Gallery of Art** (*Filmstrip*) U. S. National Gallery of Art, 1956.

50 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 60 min.

With lecture notes.

*Summary:* Thirty-nine frames of the best known works of Florentine artists in the National Gallery of Art, interspersed with eleven scenes of architecture and squares in Florence.

*Borrow from* NGA.

**Arterial disorders in the upper extremity and their treatment by sympathectomy** (*Motion picture*) U. S. Dept. of the Army, 1950.

30 min., sd., color, 16 mm.

Order no. PMF 5103.

*Summary:* Gives the indications, clinical factors, and precautions for arterial disorders in the upper extremity and their operative treatment by a sympathectomy. For medical personnel.

*Borrow from* Army.

**Arteriosclerotic occlusive disease** (*Motion picture*) U. S. Veterans Administration, 1956.

15 min., sd., color, 16 mm.

*Summary:* Describes the treatment of arteriosclerotic occlusive disease of the abdominal aorta by resection and homograft replacement. Presents an illustrative case to demonstrate the aorotographic findings, surgical technic, and the results of the operation.

*Borrow from* VA.

**Arteriovenous fistula** (*Motion picture*) U. S. Veterans Administration, 1956.

10 min., sd., color, 16 mm.

*Summary:* Demonstrates the clinical and basic physiological manifestations of arteriovenous fistulae. Illustrates the surgical repair of a femoral arteriovenous fistula and includes pre- and postoperative arteriograms.

*Borrow from* VA.

**Arthropod-borne virus encephalitides** (*Motion picture*) U. S. Dept. of the Army, 1947.

33 min., sd., b&w, 16 mm.

Order no. PMF 5048.

*Summary:* Presents disease problems which are approached by differential diagnostic measures. Portrays the diagnosis, treatment, and control of Japanese B encephalitis, and illustrates the approach to the investigation of such problems.

*Borrow from* Army.

**Arthropods of public health importance** (*Filmstrip*) U. S. Public Health Service, 1954.

42 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.

Order no. F 145.

*Summary:* Shows the outstanding characteristics of one or more species of the following arthropods: cockroaches, mosquitoes, flies, bed bugs, triatoma, fleas, lice, scorpions, tarantulas, spiders, centipedes, ticks, and mites.

*Borrow from* PHS. *Buy from* UWF.

**Articulatory movements in the production of English speech sounds. Part 1: Consonants** (*Motion picture*) U. S. Veterans Administration, 1953.

25 min., sd., color, 16 mm.

*Summary:* Through the use of animated drawings of the breathing process and direct photography of the movements of the laryngeal and articulatory structures in a patient with extensive loss of facial tissue. Illustrates the production of speech. Movements of the lips, mandible, tongue, velum, and pharyngeal constrictor muscles are shown in illustrations of oral continuant consonants, nasal continuants, plosives and affricatives commonly present in American speech.

*Borrow from* VA. *Buy from* UWF.

**Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides** (*Motion picture*) U. S. Veterans Administration, 1954.

26 min., sd., color, 16 mm.

*Summary:* Through live-action photography of the movements of the laryngeal and articulatory structures in a patient with extensive loss of facial tissue. Illustrates the production of vowels and their movements with glide sounds. Shows the importance of resonance as a factor in speech intelligibility through samples of connected speech.

*Borrow from* VA. *Buy from* UWF.

**Artificial respiration** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

33 fr., b&w, 35 mm. and disc: 2 s., 12 in., 33⅓ rpm., 8 min. (First aid series)

Order no. SN 225–a.

*Summary:* Through straight photography and cartoons shows how to apply artificial respiration by the prone pressure method.

*Borrow from* Navy.

**Artificial respiration, the back-pressure arm-lift method** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Audio Productions.

16 min., sd., b&w, 16 mm.

Order no. MN 7484.

*Summary:* Demonstrates the back-pressure arm-lift method of resuscitation; explains the advantages and uses of this method, and shows alternative methods for use in unusual circumstances.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Arts of Japan** (*Motion picture*) U. S. Information Agency, 1954. Made by Tokyo Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

29 min., sd., b&w, 16 mm.

*Summary:* Tells the story of a young American who visits artists of Japan, including the painter Gyokudo Kawai, tea master Soshitsu Sen, actors Koshiro Matsumoto and Manzaburo Umewaka, potter Shoji Hamada, and woodblock artist Shiko Munakata. Includes scenes from the Noh and the Kabuki dramas. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**As a matter of fact** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

5 min., sd., color, 16 mm.

*Summary:* Describes the importance of accident reports—their collection, analysis, and use; and of accident record files in State governments.

*Borrow from* PCTS. *Cleared for tv.*

**As deep as the heart** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

40 min., sd., b&w, 16 mm.

Order no. TF 16–1693.

*Summary:* Dramatized story of a soldier with a deep-seated resentment against his parents and home who becomes assistant to an army chaplain, observes the work of the chaplain, and finally changes his attitude toward his family and life in general.

*Borrow from* Army. *Cleared for tv.*

**Ascariasis (Infestation with ascarids)** (*Motion picture*) U. S. Dept. of the Army, 1949.

13 min., sd., b&w, 16 mm.

Order no. PMF 5124.

*Summary:* Shows details of the life cycle of ascarids in swine. For professional personnel.

*Borrow from* Army.

**Aseptic procedure in oral surgery** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

18 min., sd., color, 16 mm.

Order no. MN 7980.

*Summary:* Defines and shows minimum standards of aseptic procedure in minor oral surgery; explains the duties of the staff in the aseptic procedure; and shows that the procedure is primarily sterilization plus maintenance of aseptic conditions.

*Borrow from* Navy. *Buy from* UWF.

**Asian artists in crystal** (*Motion picture*) U. S. Information Agency, 1956. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1957.

17 min., sd., b&w, 16 mm.

*Summary:* Describes an exhibit of American crystal engraved with designs created by 16 artists representing Burma, Ceylon, Republic of China, Egypt, India, Indonesia, Iran, Iraq, Japan, Korea, Pakistan, the Philippines, Syria, Thailand, Turkey, and Vietnam. Shows the work of these artists, how American designers captured the mood of the drawings in crystal form, and how American craftsmen translated the drawings into engravings. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Asiatic schistosomiasis** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1949.

22 min., sd., color, 16 mm.

Order no. MN 5028.

*Summary:* Explains the cause and effects of schistosomiasis, and demonstrates preventive and control measures.

*Borrow from* Navy. *Buy from* UWF.

Assembling and riveting series
see Aircraft work series. Assembling and riveting

**Assembling in a jig: Drilling and riveting** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

21 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 2)

Order no. OE 137.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Drilling, burring, dimpling, and riveting an aircraft sheet metal assembly.

*Buy from* UWF.

**Assembling in a jig: Drilling and riveting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

50 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 2)

Order no. OE 137–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Assembling in a jig: Fitting and lining up** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

16 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 1)

Order no. OE 136.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How aircraft sheet metal parts are assembled in a precision assembly jig; how to use an awl for lining up; use skin fasteners; and correct misaligned holes.

*Buy from* UWF.

**Assembling in a jig: Fitting and lining up** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

47 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 1)

Order no. OE 136–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Assembly of an airborne unit** (*Motion picture*) U. S. Dept. of the Army, 1955.

18 min., sd., b&w, 16 mm.

Order no. TF 31–1926.

*Summary:* Explains the principal methods for assembling airborne units and demonstrates the various assembly aids used to facilitate assemblies in day and night operations. Follows the activities of a typical airborne platoon, covering each phase of an airborne operation: briefing of men on jump and subsequent assembly, the jump, movement from drop zone to assembly area, reorganization in assembly area, and movement to objective.

*Borrow from* Army.

**Assignment Germany** (*Motion picture*) U. S. Dept. of the Army, 1950.

14 min., sd., b&w, 16 mm.

Order no. MF 45–7501.

*Summary:* Illustrates the job of the Allied occupation of Germany: the rehabilitation of German business and industry, re-establishment of German democratic government, and re-education of the German people.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Assignment home** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Universal Pictures Co. Released for public educational use through U. S. Office of Education, 1948.

26 min., sd., b&w, 16 mm. (Combat fatigue series)

Order no. MN 3428–d.

*Summary:* Stories of three Navy neuropsychiatric discharges (one returning to a job, one going back to school and the other without plans) showing patients' problems of civilian life with suggestions for meeting different situations.

*Borrow from* Navy. *Buy from* UWF.

**Assignment: Weights and measures** (*Motion picture*) National Conference on Weights and Measures in cooperation with the U. S. National Bureau of Standards, 1957. Released by U. S. National Bureau of Standards.

18 min., sd., color, 16 mm.

*Summary:* Describes the importance of weights and measures to the average American family through the experiences of an elementary school class studying various aspects of Government. Includes instances in which commercial weighing or measuring touches the lives of individual families.

*Borrow from* NBS.

**The astronomical triangle** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

37 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83–d.

*Summary:* Explains how the astronomical triangle is formed, and its use in determining the position of ships on the earth's surface. College level.

*Borrow from* Navy. *Buy from* UWF.

**At home with wood** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

13 min., sd., color, 16 mm.

*Summary:* Shows research being conducted at the Forest Products Laboratory, Madison, Wis., for improving wood products to be used in home construction.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Atacama desert** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm.

*Summary:* Shows life and industry in the Atacama Desert of northern Chile, the nitrate deposits and mining methods, and the lives of the people of the region.

*Buy from* UWF.

The Atlantic community series
see
Introducing Belgium
Introducing Canada
Introducing Denmark
Introducing France
Introducing Germany
Introducing Greece
Introducing Iceland
Introducing Italy
Introducing Luxembourg
Introducing Norway
Introducing Portugal
Introducing the Netherlands
Introducing the United Kingdom
Introducing the United States
Introducing Turkey

**Atlas, the ICBM** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

29 min., sd., color, 16 mm.
Order no. SFP 583.

*Summary:* Traces the history and development of the Atlas missile, explains the magnitude of the Atlas project, and emphasizes its importance to the American people.

*Borrow from* AF. *Cleared for tv.*

**Atmospheric stability and instability: Adiabatic process** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

14 min., sd., color, 16 mm.
Order no. MN 7894–b.

*Summary:* Explains the adiabatic process by showing what happens when a parcel of dry or moist air is raised or lowered by convection, the relationship of temperature and saturation at different altitudes, and the plotting of temperature and moisture content on the adiabatic chart. Gives a detailed description of orographic lifting.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Atmospheric stability and instability: Existing temperature distribution** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

14 min., sd., color, 16 mm.
Order no. MN 7894–a.

*Summary:* Explains the relationship of temperature distribution and stable and unstable air and how this relationship controls the weather. Shows the characteristics of stable and unstable air and how radiosonde signals are plotted.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Atmospheric stability and instability: Stability and the weather** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

8 min., sd., color, 16 mm.
Order no. MN 7894–d.

*Summary:* Explains the existing lapse rate on the RAOB (radiosonde observation) chart and the relationship to stability and instability in the atmosphere. Shows the difference between the adiabatic lapse rate of moist and dry air.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Atmospheric stability and instability: Thermal convection** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

11 min., sd., color, 16 mm.
Order no. MN 7894–c.

*Summary:* Explains the causes of the vertical air currents in the atmosphere and their relationship to changes in the weather.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Atom atoll** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

18 min., sd., b&w, 16 mm.
Order no. RTAF 147.

*Summary:* Portrays a joint task force on Eniwetok making preparations for atomic test explosions, waiting for the explosion, and the explosion itself.

*Borrow from* Army. *Cleared for tv.*

**The atom strikes** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

31 min., sd., b&w, 16 mm.
Order no. MF 5–1235.

*Summary:* Gives an account of the first experimental atomic bomb blast in New Mexico, aerial views of Hiroshima and Nagasaki bombings, and closeup shots of devastated areas.

*Borrow from* Army. *Buy from* UWF.

**Atomic bomb injuries to the Bikini animals. Part 1: Pathology** (*Motion picture*) U. S. Dept. of the Navy, 1947.

12 min., sd., color, 16 mm.
Order no. MN 6994.

*Summary:* Shows how ionizing radiation produced hemorrhage, secondary infection, and tissue degeneration in experimental animals.

*Borrow from* Navy.

**Atomic bomb test, Bikini** (*Motion picture*) U. S. Dept. of the Navy, 1946.

17 min., sd., b&w, 16 mm.
Order no. MN 5352.

*Summary:* Highlights of the Able and Baker atomic bomb tests at Bikini.

*Borrow from* Navy.

**Atomic medical cases: Japan, World War II** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

37 min., sd., b&w, 16 mm.
Order no. PMF 5143.

*Summary:* Presents documentary evidence of the medical problems resulting from the atomic bomb explosions at Hiroshima and Nagasaki; shows pathological specimens in microscopic section; and stresses the importance of using to the greatest advantage surviving doctors and nurses. For medical personnel.

*Borrow from* Army.

**Atomic tests in Nevada** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

25 min., sd., color, 16 mm.

*Summary:* Describes the testing of atomic weapons at the Atomic Energy Commission's Nevada test site, with emphasis on measures to protect the public.

*Borrow from* AEC. *Buy from* Byron. *Cleared for tv.*

**Atoms for peace. Part 1: Introducing the atom** (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm.

*Summary:* Explains the nature of the atom and of atomic energy; demonstrates through animation the make-up, function, formation, and control of chain reaction; and indicates potential uses of atomic material in medicine, agriculture, and industry. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Atoms for peace. Part 2: Medicine** (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm.

*Summary:* Shows uses of atomic materials in medical research and diagnosis; illustrates, through a sequence involving a brain tumor, the use of radioactive materials as tracers in the detection and location of disease; and describes atomic research in the treatment of hyperthyroidism, cancer, and arteriosclerosis. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Atoms for peace. Part 3: Agriculture, industry, and power** (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm.

*Summary:* Describes research in the uses of radioactive materials in agricultural and industrial production. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Atoms for peace. Part 4: Scientific advancement** (*Motion picture*) U. S. Information Agency, 1956. Made by Information Productions. Released for public educational use in the United States through U. S. Office of Education, 1957.

19 min., sd., b&w, 16 mm.

*Summary:* Describes the progress made in the production of atomic electric power, use of atomic irradiation in food production and preservation, use of isotopes in insuring thickness control in manufacturing and in measuring soil density in road building, and radiation therapy in the treatment of cancer and heart disease. Prepared for overseas use.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Atoms for peace. Part 5: Working together** (*Motion picture*) U. S. Information Agency, 1957. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education.

21 min., sd., b&w, 16 mm.

*Summary:* Describes regional and international cooperation of scientists and governments in the development of peaceful uses of atomic energy; and some of the achievements of this cooperation, such as the flow of isotopes from one country to another, the transfer of fissionable materials for research purposes, and the establishment of international centers for atomic research. Prepared for overseas use.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Atoms for peace. Part 6: Training men for the atomic age** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

20 min., sd., b&w, 16 mm.

*Summary:* Explains the training program in nuclear physics for foreign scientists sponsored by the U. S. Atomic Energy Commission. Shows activities at the University of Pennsylvania, Oak Ridge Institute of Nuclear Studies, International School of Nuclear Science and Engineering at La Grange, Illinois, and construction of a nuclear reactor at Shippingport, Pennsylvania. Prepared for overseas use.

*Buy from UWF. Cleared for tv Prior authorization required.*

**Atoms for peace. Part 7: Atomic power and the United States** (*Motion picture*) U. S. Information Agency, 1958. Made by Information Film Producers. Released for public educational use in the United States through U. S. Office of Education, 1959.

27 min., sd., b&w, 16 mm.

*Summary:* Presents the current status in the United States of the nuclear energy program for the production of electric power; describes five types of nuclear reactors designed by U. S. Government laboratories and American industries; lists plants operated and financed by private industry; and points out that atomic fuel and technical skills developed by intensive research in the United States are available to other countries through international agreement. Prepared for overseas use.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Attaching and aligning wings** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

20 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 258.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to inspect a damaged wing; remove the damaged wing; attach a new wing; level the airplane and align the wing; and inspect the finished job.

*Buy from UWF.*

**Attaching and aligning wings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

45 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 258-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Attack in the Pacific** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

50 min., sd., b&w, 16 mm.

Order no. AFIF 3.

*Summary:* Highlights of naval activities in the Pacific during World War II, including Pearl Harbor, the battle of the Coral Sea, the battle of Midway, and neutralization of Japanese naval strength.

*Borrow from Army.*

**Attack! The battle for New Britain** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

46 min., sd., b&w, 16 mm.

Order no. MF 40-1941.

*Summary:* A record of the attacks on Arawae and Cape Gloucester on New Britain from plan to final victory.

*Borrow from Army. Buy from UWF.*

The attendant helps the patient
see Your job and the psychiatric patient. Part 3: The attendant helps the patient

**Audio frequency amplification** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

25 fr., b&w, 35 mm.

Order no. SN 652.

*Summary:* Describes the theory and practice of amplification of the audio wave.

*Borrow from Navy. Buy from UWF.*

**Audio oscillator operation** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

9 min., sd., b&w, 16 mm. (Radio technician training series)

Order no. MN 1540-r.

*Summary:* Explains the operation and use of audio oscillators and shows how to check an amplifier with the audio oscillator and "A" scope.

*Borrow from Navy. Buy from UWF.*

**Audio-visual aids to learning** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1951.

11 min., sd., b&w, 16 mm.

*Summary:* Portrays the facilities and services of a typical audio-visual aids center in the United States; and explains the use of these aids in civilian information and education programs. Prepared for use in occupied areas.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Australia** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

12 min., sd., b&w, 16 mm.

Order no. AFIF 42.

*Summary:* Explains Australia's geography, government, economy, industries, social customs, and current role in world affairs. Prepared for use by U. S. Armed Forces personnel.

*Borrow from Army. Cleared for tv.*

**Australorbis glabratus, vector of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

3 min., sd., b&w, 16 mm. (Schistosomiasis mansoni study films)

Order no. 4-065.

*Summary:* Illustrates through aquarium scenes the life cycle of *Australorbis glabratus*, the planorbid snail which is the intermediate host and principal transmitting species in tropical America of *Schistosoma mansoni.*

*Borrow from PHS.*

**Austria** (*M*[illegible] *picture*) U. S. Dept. of Defense, 1954. Made by [illegible] Dept. of the Army.

17 min., sd., b&w, 16 mm.

Order no. AFIF 53.

*Summary:* Reviews the history of Austria and explains its current social, economic, and political status

*Borrow from Army. Cleared for tv.*

**Automation** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 6)
*Summary:* Describes the meaning and future of automation as applied to labor, management, industry, and politics. Includes interviews with John Diebold, Peter Drucker, Walter Reuther, and Wright Patman. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Automation on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
*Summary:* Describes how automation has come to the farm and shows the uses of power machines for lifting, chopping, hauling, etc. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

Automobile operation series
see Automotive operation and maintenance series. Automobile operation

**Automotive electricity for military vehicles. Part 2: Principles of operation of the generator** (*Motion picture*) U. S. Dept. of the Army, 1957.
13 min., sd., b&w, 16 mm.
Order no. TF 9-2330.
*Summary:* Explains the design and operation of the automotive generator; its conversion of electrical energy to feed the ignition and accessory systems and to charge the battery; the relationship between electricity and magnetism; and the construction of a rudimentary generator, including the purpose and operation of segments, brushes, pole pieces, and field windings.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Automotive electricity for military vehicles. Part 3: Principles of the starting motor** (*Motion picture*) U. S. Dept. of the Army, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 9-2331.
*Summary:* Explains the electrical and magnetic principles involved in the operation of an automotive starting motor. Defines the relation between magnetism and electricity and shows the path of electrical current through a single loop of wire to demonstrate the electromagnetic principle. Illustrates in detail the construction of the starting motor and explains how electrical energy flows through the starting motor circuit and is converted into mechanical energy.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Automotive electricity for military vehicles. Part 4: The ignition circuit** (*Motion picture*) U. S. Dept. of the Army, 1957.
11 min., sd., b&w, 16 mm.
Order no. TF 9-2332.
*Summary:* Defines the purpose and operation of the ignition circuit and describes how each component functions. Combining actual operation with animation, traces the course of electrical current through the components of the ignition system—battery, ignition coil, distributor, breaker points, condenser, rotor, terminals, and spark plugs—and emphasizes the relation of the primary circuit, secondary circuit, and magnetic field to voltage intensity.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Automotive electricity for military vehicles series
see
Principles of operation of the automotive magneto

Automotive operation and maintenance series. Preventive maintenance
see
The battery, ignition, and electrical system
The clutch and hand brake
The cooling system and fuel system
The engine assembly
Engine tests and tune up
The hydraulic brake system
Introduction to preventive maintenance
Steering, wheels, front and rear axels
Transmission, drive shaft, and differential

Automotive operation and maintenance series. Automobile operation
see
Keeping your car fit
Know your car
The periodic check-up
Trouble shooting your car
Your driving habits

Automotive series. Bus operation
see
The operator and his job
The operator and his passengers
The operator and safety

Automotive series. School bus operation
see
Bus care and maintenance
Passengers, driving hazards, safety

**Automotive trouble shooting. Part 2: Engine tune-up** (*Motion picture*) U. S. Dept. of the Army, 1956.
38 min., sd., b&w, 16 mm.
Order no. TF 9-2194.
*Summary:* Explains the procedures and techniques employed in engine tune-up of wheeled vehicles, including manifold vacuum and compression tests, battery and ignition cable checks, spark plug check, distributor and ignition timing check, battery clearance, manifold and heat control valve check, fuel system tests, carburetor check, and idling speed and mixture adjustments.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Automotive trouble shooting series
see
Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments
Front end alignment

**Auxiliary means of communication. Part 1: Light aircraft message drop** (*Motion picture*) U. S. Dept. of the Army, 1957.
5 min., sd., b&w, 16 mm.
Order no. TF 17-2387.
*Summary:* Demonstrates the proper arrangement of ground to air communication panels to designate a message drop zone visible to pilots flying light aircraft at normal altitudes. Illustrates procedures for selecting and marking a suitable area for the drop and for arranging a "cross" display to indicate center of drop zone and a "T" display to indicate wind direction.
*Borrow from* Army.

**Auxiliary means of communication. Part 2: Light aircraft pickup** (*Motion picture*) U. S. Dept. of the Army, 1957.
3 min., sd., b&w, 16 mm.
Order no. TF 17-2388.
*Summary:* Demonstrates the proper arrangement of ground to air communication panels to indicate a message pickup zone to pilots. Illustrates procedures for arranging an "H" shape display to identify the pickup point and a display indicating wind direction.
*Borrow from* Army.

**Avalanches to order** (*Motion picture*) U. S. Dept. of Agriculture, 1950.
17 min., sd., color, 16 mm.
*Summary:* How U. S. Forest Service snow rangers, the National Ski Patrol, and winter sports associations cooperate in predicting and controlling avalanches in the National forest areas of the West.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Aviation and you** (*Filmstrip*) U. S. Civil Air Patrol, 1957.
74 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 1 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
*Summary:* Describes the activities of a Civil Air Patrol cadet squadron, including visits to airports and aircraft manufacturing plants; and related vocational fields and opportunities.
*Buy from* CAP.

**Aviation education and your school** (*Filmstrip*) U. S. Civil Air Patrol, 1957.
59 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 10 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
*Summary:* Describes the program sponsored by the Civil Air Patrol for stimulating interest in aeronautics in secondary schools.
*Buy from* CAP.

**Aviation machinist's mate: Parachute responsibilities** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm.
Order no. MN 1970.
*Summary:* Demonstrates the duties and responsibilities of an aviation machinist's mate in checking and preparing parachutes for use by flight personnel.
*Borrow from* Navy. *Buy from* UWF.

**Away boarders** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Order no. MN 9031.
*Summary:* Presents the story of the USS Guadalcanal and the capture of the first German submarine in World War II by the commanding officer of that ship.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The azimuth circle and pelorus** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
33 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136–k, formerly SG 3883–k.
*Summary:* Describes the azimuth circle and the pelorus, and demonstrates the operation of each.
*Buy from* UWF.

## B

**B–47 pilot's familiarization** (*Motion picture*) U. S. Dept. of the Air Force, 1952.
37 min., sd., b&w, 16 mm.
Order no TF 1–4727.
*Summary:* Reviews the history of the development of the B–47 jet bomber and its principles of operation. Explains take-off and landing techniques and special problems pertaining to the piloting of the B–47.
*Borrow from* AF. *Cleared for tv.*

**BMEP** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 3)
Order no. MN 2598–c.
*Summary:* Explains how the governor operates for normal and low speeds; and how the BMEP limiter functions when fuel is on and off, reduces the fuel supply to an overloaded engine, and goes out of position when the full operation is completed.
*Borrow from* Navy. *Buy from* UWF.

**BORAX: Construction and Operation of a Boiling Water Reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.
14 min., sd., b&w, 16 mm.
*Summary:* Shows the construction and operation of a boiling-water power reactor, and explains how electricity produced from this reactor was used experimentally for an hour in the summer of 1955 for light and power in Arco, Idaho, the first U. S. community to be lighted exclusively on a city-wide basis by atomic power.
*Borrow from* AEC. *Cleared for tv.*

**Back the attack on brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
28 min., sd., color, 16 mm.
*Summary:* Reviews a farmer's discovery of brucellosis in his herd of cattle and the actions that follow, including the organization and functioning of a county brucellosis committee. Describes the damage caused by the disease, its symptoms, and plans for its control and eventual eradication. Demonstrates the use of BRT (brucellosis ring test) for locating herds that probably are infected.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Backbone of the corps** (*Motion picture*) U. S. Marine Corps, 1958.
23 min., sd., b&w, 16 mm.
Order no. MH 8734.
*Summary:* Depicts the role of the NCO (noncommissioned officer) in the Marine Corps, and explains that his job presents opportunities for work in many fields.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**A backyard vegetable garden** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
60 fr., b&w, 35 mm.
Order no. 657.
With lecture notes.
*Summary:* How to grow vegetables in a 30- by 30-foot backyard plot, including selecting the site, planning the garden, preparing the ground, planting and thinning, cultivating, irrigating, and succession cropping.
*Buy from* PhotoLab.

**The Bailey bridge in combat** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., b&w, 16 mm.
Order no. FB 5–185.
*Summary:* Shows the types and construction of Bailey bridges, and their use in combat areas.
*Borrow from* Army. *Buy from* UWF.

**Bailing out** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by United Productions. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., color, 16 mm. (Flight safety series)
Order no. MN 4353–r.
*Summary:* Illustrates through cartoons how naval aviators should bail out of aircraft.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Ballistic missile trajectories** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
13 min., sd., color, 16 mm.
Order no. TF 1–5291.
*Summary:* Shows the complexity in computing missile trajectories and discusses some of the factors to be considered, such as earth's rotation, coriolis force, and variation of linear velocity.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Bandaging. Part 1: Triangular bandage** (*Filmstrip*) U. S. War Dept., 1945.
59 fr., b&w, 35 mm.
Order no. FS 8–101.
*Summary:* Illustrates various methods of using the triangular bandage.
*Borrow from* Army.

**Bandaging. Part 2: Roller bandage** (*Filmstrip*) U. S. War Dept., 1945.
76 fr., b&w, 35 mm.
Order no. FS 8-102.
*Summary:* Illustrates various methods of using a roller bandage, including a recurrent bandage of the head, crossed bandage of one eye, crossed bandage of both eyes, etc.
*Borrow from Army.*

**Bandaging for hospital corpsmen** (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1954.
24 min., si., b&w, 16 mm.
Order no. MN 9839 a-q.
*Summary:* Seventeen loop films, 30 to 100 seconds in length, demonstrating the proper application of various bandages on the head, chest, back, shoulder, ankle, jaw, hip, finger, hand, eyes, etc.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Banking on the land** (*Motion picture*) U. S. Dept. of Agriculture, 1946.
24 min., sd., color, 16 mm.
*Summary:* Traces the historical development of the cooperative farm mortgage credit system and its services to farmers as recalled by a charter member of a local national farm loan association.
*Rent from* DA film libraries.

**Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 5)
Order no. OE 216.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make a rough sizing cut for the roller turner; set the tool in the roller turner for a finish size; set the automatic stops; and control chip condition.
*Buy from* UWF.

**Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
33 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 5)
Order no. OE 216-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 6)
Order no. OE 217.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up a multiple roller turner; center-drill the work so that it can be supported with a center; and set up and operate a carriage taper attachment.
*Buy from* UWF.

**Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
29 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 6)
Order no. OE 217-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 7)
Order no. OE 218.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set the necking and chamfering tools; set and cut 1 inch, 16-pitch thread with tangent die head; and cut off the finished piece.
*Buy from* UWF.

**Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
24 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 7)
Order no. OE 218-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Barometer, hygrometer, clinometer** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
49 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 130-1, formerly SG 3083-1.
*Summary:* Demonstrates the parts and uses of the barometer, hygrometer, clinometer, and anemometer.
*Buy from* UWF.

**Bars, punches, and drifts** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
15 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 8)
Order no. TF 9-2030.
*Summary:* Explains the specific purposes, correct uses, and common misuses of bars, punches and drifts.
*Borrow from Army. Buy from* UWF.

**Base procurement** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
22 min., sd., b&w, 16 mm.
Order no. TF 1-5224.
*Summary:* Describes the functions of a base procurement office, and explains the forms and procedures for obtaining needed supplies through this office and how contracts are negotiated with civilian firms.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Bases and untreated surfaces** (*Motion picture*) U. S. War Dept., 1943.
10 min., sd., b&w, 16 mm. (Military roads and runways series, no. 2)
Order no. TF 5-1190.
*Summary:* Shows various methods used to improve road bases by adding proper materials for stabilization.
*Borrow from Army.*

**Basic biology of bacteria** (*Filmstrip*) U. S. Public Health Service, 1950.
56 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (An introduction to bacteriology series, no. 1)
Order no. 5-174.
*Summary:* Explains the characteristics of bacteria, differences in types, feeding and multiplication, and control through boiling, freezing, and pickling. Elementary explanation for nonprofessional audiences.
*Borrow from PHS. Buy from* UWF.

**Basic blacksmith operations** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
26 min., sd., b&w, 16 mm.
Order no. TF 9-1778.
*Summary:* Explains and demonstrates various blacksmithing operations with emphasis on the use of tools and equipment. Discusses the advantages of side-banked, plain-open, and deep-hollow fires.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The basic camera** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., b&w, 16 mm. (Fundamentals of photography series)
Order no. MN 5366.
*Summary:* History and construction of the camera; types of cameras, film holders, camera bodies, lenses, shutter adjustments, and screens.
*Borrow from Navy. Buy from UWF.*

**Basic care of patients. Part 1: Cleaning the patient's unit and making an unoccupied bed** (*Motion picture*) U. S. Dept. of the Army, 1957.
15 min., sd., b&w, 16 mm.
Order no. TF 8-2471.
*Summary:* Shows the proper procedures to be followed by the medical corpsman in preparing the unit for a new patient, including stripping the bed and removal of soiled linen; cleaning the bed, chair and bedside cabinet; making the bed with clean linen; and final straightening of the unit.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 2: The bed bath** (*Motion picture*) U. S. Dept. of the Army, 1957.
17 min., sd., b&w, 16 mm.
Order no. TF 8-2472.
*Summary:* Shows a medical corpsman giving a patient a bath; demonstrates preparation for the bath—equipment, technique, and sequence use; emphasizes the psychological and physical value of the bed bath for relaxation and recovery.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 3: Making an occupied bed** (*Motion picture*) U. S. Dept. of the Army, 1957.
17 min., sd., b&w, 16 mm.
Order no. TF 8-2473.
*Summary:* Portrays the proper procedure for making a bed occupied by a patient. Salient teaching points cover: positioning the patient; the sequence and technique for removing foundation linen, draw sheets, top sheets, and pillow case, and replacing them with clean counterparts. Emphasizes that a clean, well-made bed can add much to the patient's physical comfort and attitude.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 4: Physical comforts** (*Motion picture*) U. S. Dept. of the Army, 1957.
11 min., sd., b&w, 16 mm.
Order no. TF 8-2474.
*Summary:* Portrays the procedures used to provide physical comforts to patients, and gives particular attention to the value of mouth care, frequent changes of position, and use of helpful appliances.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 5: Feeding the patient** (*Motion picture*) U. S. Dept. of the Army, 1957.
8 min., sd., b&w, 16 mm.
Order no. TF 8-2475.
*Summary:* Shows how the medical corpsman prepares patients for meals, serves trays, assists semi-helpless and postoperative patients, and feed helpless patients; emphasizes the importance of the duties and attitude of the corpsman in the ultimate recovery of the patient.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 6: The enema** (*Motion picture*) U. S. Dept. of the Army, 1957.
10 min., sd., b&w, 16 mm.
Order no. TF 8-2476.
*Summary:* Shows the proper way to administer the cleansing enema. Salient teaching points cover: preparation of equipment and solution, preparation of patient, administering the enema, after-care of the patient, after-care of equipment, observation of results, and the corpsman's required report to the doctor.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 7: Sterile technique** (*Motion picture*) U. S. Dept. of the Army, 1957.
13 min., sd., b&w, 16 mm.
Order no. TF 8-2477.
*Summary:* Portrays the practice of sterile technique, emphasizing the observance of 3 rules—use only sterile equipment, keep equipment sterile while in use, keep area sterile. Shows sterilization of equipment by means of moist heat, dry heat, and chemicals, including autoclaving, boiling, baking, and flaming methods; the correct use of sterile forceps and towels in handling sterile equipment; the covering of equipment to keep it sterile when not in use; and the cleansing and protection of the area being treated.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients. Part 8: Pre-operative care** (*Motion picture*) U. S. Dept. of the Army, 1957.
9 min., sd., b&w, 16 mm.
Order no. TF 8-2478.
*Summary:* Shows the mental and physical care given the patient before surgery and defines the responsibilities of each member of the medical team—doctor, nurse, corpsman, and operating room specialist. Depicts the procedures followed during the day, evening, and morning before surgery, including shaving the surgery site, the enema, morning bath, and pulse and blood pressure check.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic care of patients: Part 9: Postoperative care** (*Motion picture*) U. S. Dept. of the Army, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 8-2479.
*Summary:* Shows the special care given the patient after surgery, and emphasizes that the patient's ultimate recovery is dependent upon the proper techniques used by the corpsman and other members of the medical team during this phase.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic DC meter movement** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
3 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8018-a.
*Summary:* Shows a representative meter, describes its essential components, and explains their functions.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Basic electricity** (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., color, 16 mm.
Order no. AF 233-a.
*Summary:* An animated cartoon explaining the fundamentals of electricity, including voltage, current, resistance, magnetic fields, induction, primary and secondary coils, series and parallel circuits.
*Borrow from AF. Buy from UWF.*

**Basic electricity: AC parallel circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.
5 min., sd., b&w, 16 mm.
Order no. MN 8018-d.
*Summary:* Shows the elements of an AC parallel circuit, examines the effects of current, and shows what the generator sees in the following circuits: LC parallel circuit, where $X_L$ exceeds $X_C$; and LCR parallel circuit, where $X_C$ exceeds $X_L$; and an LCR parallel circuit, where $X_C$ equals $X_L$.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Basic electricity: AC series circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.
4 min., sd., b&w, 16 mm.
Order no. MN 8018-c.
*Summary:* Shows the elements of an AC series circuit; demonstrates, by sine waves and circuits, the effects upon and phase relationship between current and voltage. Using an LCR circuit, examines the effects of voltage and shows what the generator sees when $X_L$ exceeds $X_C$ and when $X_C$ exceeds $X_L$. Demonstrates also a series resonant circuit using an LCR circuit where $X_C$ and $X_L$ are equal.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Basic electricity: Capacitance in AC circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.
5 min., sd., b&w, 16 mm.
Order no. MN 8019-b.
*Summary:* Defines capacitance and demonstrates how a capacitor works; explains capacitive reactance and its effects in an AC circuit, the factors that affect capacitative reactance, and phase angle; discusses the physical factors that affect capacitance and the effect of capacitance in an AC circuit.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Basic electricity: Inductance in AC circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.
7 min., sd., b&w, 16 mm.
Order no. MN 8019-a.
*Summary:* Defines inductance and explains its cause and effect in an AC circuit. Illustrates inductive reactance, the factors that affect inductive reactance in an AC circuit, and the phase relationship between current and voltage as a result of the presence of inductance in the circuit.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

Basic electricity series
see
Basic DC meter movement
Current flow, what it is
Electromagnets
The electron theory
How magnets produce electricity
What causes current flow: EMF
What controls current flow: Resistance

**Basic electronics** (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., color, 16 mm.
Order no. AF 213-b.
*Summary:* An animated cartoon explaining the meaning of atoms and electrons, vacuum tube, cathode, rectifier tube, amplifier tube, grid, and bridge circuits.
*Borrow from AF. Buy from UWF.*

**Basic engineer reconnaissance** (*Motion picture*) U. S. Dept. of the Army, 1952.
26 min., sd., b&w, 16 mm.
Order no. TF 5-1676.
*Summary:* Describes and illustrates the means used for engineer reconnaissance.
*Borrow from Army. Cleared for tv.*

**Basic helicopter flight principles** (*Motion picture*) U. S. Dept. of the Army, 1956.
15 min., sd., b&w, 16 mm.
Order no. TF 46-2206.
*Summary:* Explains, through animation and live photography, the basic aerodynamic principles applied to helicopter flight including lift, thrust, drag, weight, velocity of airflow over airfoil, collective pitch, cycling pitch, dissymetry of lift, coning and coning angle, flapping and flapping angle, gyroscopic precession laws, and torque.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic helicopter flight training. Part 1: Pilot's pre-flight inspection** (*Motion picture*) U. S. Dept. of the Army, 957.
27 min., sd., b&w, 16 mm.
Order no. TF 46-2381.
*Summary:* Outlines the general configuration of the H-13E reconnaissance type helicopter used in basic flight training; describes the function and location of its controls; and demonstrates the preflight inspection procedure, including exterior and interior inspection of aircraft, check of controls, engine check, check of rotor blade assemblies, check of instruments, controls, and switches in cockpit, and starting and warm-up procedures.
*Borrow from Army.*

**Basic hydraulic governor** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 1)
Order no. MN 2398-a.
*Summary:* Function of Marquette hydraulic governor; basic construction; operation of principal parts of the hydraulic system. Schematic animation.
*Borrow from Navy. Buy from UWF.*

**Basic hydraulics** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of Adel Products Corp., 1943. Released for public educational use through U. S. Office of Education, 1948.
9 min., sd., color, 16 mm.
Order no. MN 2027-a.
*Summary:* Demonstrates and explains the physical laws, mechanical advantages, and applications of basic hydraulics. Illustrates three basic units of a hydraulic system—pump, pipe, and cylinder.
*Borrow from Navy. Buy from UWF.*

Basic laboratory training for nonprofessional workers series
see
Care of laboratory animals
GS-1 meets the laboratory
Handling and use of glassware
Using animals in the laboratory

Basic machines series
see Machine shop work series. Basic machines

Basic map reading series
see
Direction, orientation, and location with compass
Direction, orientation, and location without a compass
Elevation, distance, and grid
Photos and photomaps
Topographic symbols

**Basic net mending** (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.
17 min., sd., color, 16 mm.
*Summary:* Shows the equipment and basic procedures used in the mending of large fish nets.
*Borrow from FWS. Buy from UWF.*

Basic nursing care series
see
The bed bath
Eye treatments
Intravenous administration of fluids
Making a recovery bed
Making an unoccupied bed
Making the occupied bed
Oral administration of medications
Postoperative care
Preoperative care

**The basic physics of an atomic bomb** (*Motion picture*) U. S. Dept. of Defense, 1951.
19 min., sd., color, 16 mm.
*Summary:* Explains the basic principles of atomic energy and the atomic bomb, including atomic numbers, isotopes, half-life, fusion, fission, chain reaction, and critical mass. Primarily animation.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Basic portraiture lighting** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Released for public educational use through U. S. Office of Education, 1951.
14 min., sd., b&w, 16 mm.
Order no. SFP 273.
*Summary:* Illustrates the basic procedures and arrangements for portrait lighting, and demonstrates the four fundamental types of lighting used by photographers, namely, front, 45-degree, side, and back lighting.
*Buy from* UWF.

**Basic principles of frequency modulation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm.
Order no. TF 11-2069.
*Summary:* Describes what "FM" is in radio communication, how it is used, and what its advantages and limitations are.
*Borrow from* Army. *Buy from* UWF.

**Basic principles of kitchen layout** (*Filmstrip*) U. S. Public Health Service, 1953.
84 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Food handling series)
Order no. F 148-c.
*Summary:* Explains by artists' drawings and narration the basic principles of layout of kitchen facilities and equipment for eating establishments, showing sizes and shapes of kitchens, work flow arrangements, factors affecting economy and efficiency of equipment layout, location of storage facilities, and the relationship of proper equipment to cleanliness.
*Borrow from* PHS. *Buy from* UWF.

**Basic principles of refrigeration** (*Filmstrip*) U. S. Public Health Service, 1951.
71 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Food handling series, no. 1)
Order no. F 21-a.
*Summary:* Explains the importance of refrigeration in the prevention of food-borne disease outbreaks, the principles of the cooling cycle, and the maintenance and proper use of a refrigerator.
*Borrow from* PHS. *Buy from* UWF.

**Basic principles of the analytical balance** (*Motion picture*) U. S. Public Health Service, 1951.
19 min., sd., b&w, 16 mm.
Order no. M 12.
Filmstrip with same title also available.
*Summary:* Explains the uses of the analytical balance and shows how to find the zero point of the balance, find its sensitivity, calibrate the weights, weigh an object, and weigh out a predetermined amount of material.
*Borrow from* PHS. *Buy from* UWF.

**Basic principles of the analytical balance** (*Filmstrip*) U. S. Public Health Service, 1951.
100 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. F 12.
Motion picture with same title also available.
*Borrow from* PHS. *Buy from* UWF.

**Basic principles of the reciprocating engine** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
81 fr., b&w, 35 mm.
Order no. SCG 178, formerly SG 2312.
*Summary:* Shows by diagrams the steam cycle of the reciprocating engine, its construction and principal parts, and its method of operation.
*Buy from* UWF.

**Basic technique for home landscaping** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Association of Nurserymen, 1958. Made by Sun-Dial Films.
12 min., sd., color, 16 mm.
*Summary:* Shows the basic techniques for home landscaping such as: symmetry and balance, play and garden spaces, and the private and outdoor living areas planted with trees, shrubs, and flowers.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Basic telephony** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no TF 11-1553.
*Summary:* Explains the basic principles involved in telephones and telephone circuits.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Basic typing: Machine operation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
29 min., sd., b&w, 16 mm.
Order no. MN 1512-b.
*Summary:* Demonstrates various typing speeds from 35 to 180 words per minute; functions and uses of the principal parts of a typewriter; and correct touch for noiseless, manual, and electric machines.
*Borrow from* Navy.

**Basic typing: Methods** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
31 min., sd., b&w, 16 mm.
Order no. MN 1512-a.
*Summary:* Demonstrates correct posture for typing; proper fingering of the keys; use of the shift key, back spacer, tabulator, carriage return lever, etc.; and differences between manual and electric typewriters.
*Borrow from* Navy.

**Basic use of levels by sanitarians** (*Filmstrip*) U. S. Public Health Service, 1954.
45 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 178.
*Summary:* Illustrates, through a demonstration of a septic tank installation, the basic uses of the engineer's level, string level, carpenter's level, transverse hose filled with water, and hand level.
*Borrow from* PHS. *Buy from* UWF.

**Bathing the patient: Home care** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
24 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 403.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Procedures for bathing a patient in the house; equipment and supplies; methods of bathing—including draping, soaping, rinsing, and drying of each body part; techniques of oral hygiene, massaging, and shaving.
*Buy from* UWF.

**Bathing the patient: Home care** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
52 fr., b&w, 35 mm. (Nursing series)
Order no. OE 403-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The battery, ignition, and electrical system** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
26 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 2)
Order no. OE 462.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to check and service the battery; check the starting motor, generator, lighting circuit, electrical instruments, and ignition system.
*Buy from* UWF.

**The battery, ignition, and electrical system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

55 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 2)

Order no. OE 462–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Battle for time** (*Motion picture*) U. S. Dept. of Defense, 1950.

29 min., sd., b&w, 16 mm.

Order no. CB 101.

*Summary:* Military operations in Korea from July 19 to August 19, 1950.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Battle in the Tarai** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

10 min., sd., b&w, 16 mm.

*Summary:* Portrays the development of the Tarai district in India as a home for refugees from Punjab, and the Indian Government's efforts to reclaim the land and reduce malaria. Highlights the story of one family that settled in this area. Prepared for overseas use.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**The battle of Britain** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.

55 min., sd., b&w, 16 mm. (Why we fight series)

Order no. OF 4.

*Summary:* Documentary film record of the bombing of England by the German Luftwaffe in 1940, and of the defense by the Royal Air Force.

*Borrow from Army. Buy from UWF.*

**Battle of Leyte: Brought to action** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by U. S. Office of Strategic Services.

21 min., sd., b&w, 16 mm.

Order no. MN 5297.

*Summary:* Documentary account of the battle for Leyte, Philippine Islands, during World War II.

*Borrow from Navy.*

**Battle of the beetles** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

16 min., sd., color, 16 mm.

*Summary:* Shows the damage done by bark beetles to healthy Engelmann spruce growing in National Forests and Parks; and describes how the U. S. Forest Service with the assistance of the Agriculture Research Service has been working to stop the spread of this insect infestation.

*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Be water wise: Boating** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

21 min., sd., color, 16 mm.

Order no. TF 1–5192b.

*Summary:* Depicts safe methods for canoeing, outboard motorboating, sailing, and skiing. Discusses marine traffic regulations, emergency measures, and courtesy codes.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**Beach approaches** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

41 min., sd., b&w, 16 mm. (Fundamentals of patrol plane handling series)

Order no. MN 1338–f.

*Summary:* Explains the essentials of a good beach approach, procedures and rules to follow when taxiing into the beach under various wind conditions, and the duties of the beachmaster and the beach crew.

*Borrow from Navy. Buy from UWF.*

**Beach obstacles** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

22 min., sd., b&w, 16 mm.

Order no. TF 5–1922.

*Summary:* Explains the purpose, types, employment, and construction of beach obstacles, including the wall obstacle; trapezoidal, triangular, and sidehill types of anti-tank ditches; skeletal scaffold; concrete, steel, and wood pyramids; the hedgehog; the crib; the cairn; the ramp; stakes, the nutcracker; and floating mines.

*Borrow from Army.*

**Beachhead secured** (*Motion picture*) U. S. Dept. of the Navy, 1950.

14 min., sd., b&w, 16 mm.

Order no. MN 6707.

*Summary:* Shows Navy participation in one of the peacetime airborne-amphibious exercises of the Armed Forces; and particularly how the Navy transported, landed, and protected combat troops in an amphibious assault on Vieques.

*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Beaching and launching small seaplanes and amphibians** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

36 fr., b&w, 35 mm.

Order no. SN 2785.

*Summary:* Demonstrates the procedure and gear for launching and beaching single and double float seaplanes and amphibians.

*Borrow from Navy. Buy from UWF.*

**Beaching and launching VP boats** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

64 fr., b&w, 35 mm.

Order no. SN 823.

*Summary:* Explains how to beach and launch a large flying boat.

*Borrow from Navy. Buy from UWF.*

**Bearing disassembly and inspection** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–c.

*Summary:* Demonstrates how to disassemble main bearings, inspect, take readings on the bearing shell, and use care in handling the parts.

*Borrow from Navy. Buy from UWF.*

**Bearing reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)

Order no. MN 2364–d.

*Summary:* Demonstrates how to roll the bearing shell back into place; install cap, wedge blocks, and wedge shoe; and connect the lube oil line.

*Borrow from Navy. Buy from UWF.*

**Bearing removal and inspection, 8–268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)

Order no. MN 209–d.

*Summary:* Demonstrates how to disassemble the main bearing; inspect, clean, and replace bearing shells; and reassemble the bearing.

*Borrow from Navy. Buy from UWF.*

**Bearings** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 2707-b.
*Summary:* Deals with the maintenance of bearings, and demonstrates how to remove main bearings, inspect and install bearing shells.
*Borrow from Navy. Buy from UWF.*

**Bearings** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
9 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly)
Order no. MN 2708-c.
*Summary:* How to remove, inspect, and install main bearing cap, lower bearing shell, and upper bearing shell.
*Borrow from Navy. Buy from UWF.*

**Beating the heat** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.
19 min., sd., color, 16 mm.
Order no. L-215.
*Summary:* Shows some of the NACA research facilities and techniques for studying the problems of aerodynamic heating at Langley Aeronautical Laboratory, Ames Aeronautical Laboratory, and NACA's pilotless aircraft research station at Wallops Island.
*Borrow from NASA.*

**The Beaver–Selja incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
5 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202-y.
*Summary:* Collision of the Beaver and the Selja; and the reasons therefor.
*Borrow from Navy. Buy from UWF.*

**Because she is there** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
14 min., sd., b&w, 16 mm.
Order no. SFP 290.
*Summary:* Depicts the duties and responsibilities of an Air Force flight nurse, including pre-service training, Air Force training, and Air Force duties.
*Borrow from AF. Cleared for tv.*

**The bed bath** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
19 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576-d.
*Summary:* Shows the supplies and equipment needed to give a bed bath to a patient, demonstrates the order of the bath, key techniques to be observed, the correct techniques to follow in giving the patient a back rub at completion of the bath, and emphasizes the importance of the bed bath in relation to observing signs and symptoms of the patient, producing a sedative effect, and in contributing to the general progress and well-being.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Bednetting, part 1** (*Motion picture*) U. S. Dept. of the Army, 1954.
5 min., sd., b&w, 16 mm.
Order no. MF 8-8240.
*Summary:* Stresses the dangers to soldiers in the field from mosquitoes, and the importance of using bednetting and aerosol bombs correctly. Compares bednetting to a suit of armor.
*Borrow from Army. Buy from UWF.*

**Bednetting, part 2** (*Motion picture*) U. S. Dept. of the Army, 1954.
5 min., sd., b&w, 16 mm.
Order no. MF 8-8241.
*Summary:* Stresses the dangers to soldiers in the field from mosquitoes, and the importance of using bednetting and aerosol bombs correctly. Compares the mosquito proboscis to a spear.
*Borrow from Army. Buy from UWF.*

**Beef cattle performance testing** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
6 min., sd., b&w, 16 mm.
*Summary:* Describes research work conducted at the Beef Cattle Research Station, Front Royal, Va., to develop better beef cattle breeds. For television use.
*Borrow from DA-MPS. Buy from DA. Cleared for tv.*

**Beginning algebra I, lecture 1: Algebra, the international language** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the meaning of algebraic words, translating words to symbols and symbols to words.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 2: Algebra, the international language** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Reviews key algebraic words; explains the use of the unknown, and shows how to translate words into equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 3: Formulas** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Reviews basic algebraic formulas and explains the order of operations and the evaluation procedure.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 4: Simple equations and formulas** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the basic algebraic laws and defines the vocabulary used. Demonstrates and explains the solution of equations and the changing of the subjects of formulas.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 5: Dependence of quantities** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Uses tables, graphs, and formulas to explain and demonstrate dependence of quantities.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 6: Interpretation and construction of graphs** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains how to interpret graphs and describes and demonstrates the construction of vertical-bar and broken-line graphs. Includes a vocabulary.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 7: Statistical averages; addition and subtraction of directed numbers** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the terms mean and median as applied to statistical average; describes how to use directed numbers; and demonstrates the addition and subtraction of directed numbers.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 8: Multiplication and division of directed numbers** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains and demonstrates the multiplication and division of directed numbers.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 9: Fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains how to add and subtract monomials and polynomials. Explains the use of parentheses.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 10: Fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the multiplication laws, and demonstrates how they are used in multiplying and dividing monomials and polynomials.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 11: Linear equations in one unknown** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses and demonstrates the solution of equations in one unknown.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 12: Linear equations in one unknown** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains and demonstrates equations with parentheses, equations with fractions, and literal equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 13: Linear equations in one unknown** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses the general method of problem solving, explains how to solve number, age, and money problems; describes and shows the use of integers and perimeters.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 14: Linear equations in two unknowns** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains and demonstrates how to graph a single equation, a pair of equations, inconsistent equations, and dependent equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 15: Linear equations in two unknowns** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains how to eliminate one of two unknowns by addition, by subtraction, and by substitution.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra I, lecture 16: Application of simultaneous equations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains and demonstrates the application of simultaneous equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 1: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Gives an introduction to the course Beginning algebra II. Explains and demonstrates the removal of a common factor.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 2: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Describes and demonstrates horizontal multiplication of binomials, factoring a general trinomial, and factoring perfect square trinomials.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 3: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains procedure for arriving at the product of the sum and difference of two numbers, and demonstrates how to factor the difference of two perfect squares and a quantity squared.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains complete factoring; quadratic equations solved by factoring; and the application of quadratic equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 5: Fractions, fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains and demonstrates the fundamental operations of multiplication and division of fractions.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 6: Fractions, fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains and demonstrates the fundamental operations of addition and subtraction of fractions.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 7: Fractional equations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses and demonstrates the general solution of fractional equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 8: Fractional equations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the application of fractional equations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 9: Ratio, proportion, and variation** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the general concepts of ratio, proportion, and variation, and shows their use in the solution of problems.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 10: Numerical trigonometry** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the basic functions in numerical trigonometry; shows the use of tables; demonstrates the simple applications of numerical trigonometry.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 11: Numerical trigonometry** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses interpolation, and demonstrates the simple application of interpolation to practical problems.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 12: Powers, roots, and radicals** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses fractional exponents, the extraction of square roots, the use of square root tables, and the use of the Pythagorean theorem.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 13: Powers, roots, and radicals** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses and demonstrates the simplifying and the combining of radicals.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 14: Powers, roots, and radicals** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Discusses rationalizing denominators; explains and demonstrates the multiplication and the division of radicals.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Beginning algebra II, lecture 15: Quadratic equations** (*Motion picture*) U. S. Dept. of Defense, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains incomplete quadratics, and demonstrates the solution of problems by factoring, by completing the square, and by formula.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Beginning algebra II, lecture 1[illegible] Quadratic equations** (*Motion picture*) U. S. Dept. of D[illegible]e, 1956.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the applications of quadratic equations.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Behavior of wild Norway rats** (*Motion picture*) U. S. Dept. of the Army, 1957.
28 min., sd., b&w, 16 mm.
Order no. MF 8-8791.
*Summary:* Study of the behavior of wild Norway rats, conducted during 1947–1949 under the sponsorship of Johns Hopkins University. Presents examples and situations illustrating rat behavior in four major areas—manual abilities and modification of surroundings, maturation into adult society, territorial defense, and sexual behavior.
*Borrow from* Army.

**Behavioral changes following paleocortical injury in rodents, carnivores, and primates** (*Motion picture*) U. S. Dept. of the Army, 1953.
24 min., sd., color, 16 mm.
Order no. PMF 5281.
*Summary:* Shows hypersexuality induced by brain injury in animals; a surgical technique utilized in ablating portions of the brain; and scenes of pre- and post-operative behavior of agoutis, cats, and monkeys illustrating their change from wildness to extreme docility. For medical personnel.
*Borrow from* Army. *Buy from* UWF.

**Behind the flyways** (*Motion picture*) U. S. Fish and Wildlife Service, 1951.
29 min., sd., color, 16 mm.
*Summary:* Explains the reasons for migratory waterfowl regulations from the viewpoint of a hunter. Contains scenes from the Arctic Ocean to the Rio Grande River showing how hunters, biologists, and fieldmen collect information about waterfowl migrations, and how the regulations are made.
*Borrow from* FWS. *Cleared for tv.*

**Belo Horizonte** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.
18 min., sd., b&w, 16 mm.
*Summary:* Explains the development of Belo Horizonte, Brazil's "planned city with a plan."
*Buy from* UWF.

**Below knee amputation** (*Motion picture*) U. S. War Dept., 1946.
14 min., sd., color, 16 mm.
Order no. PMF 5061.
*Summary:* Demonstrates a method of amputation immediately following injury and in secondary repair of a stump. For medical personnel.
*Borrow from* Army.

**Beltsville energy saving kitchen workroom** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
35 double fr., color, 35 mm.
Order. no. C-58.
With lecture notes.
*Summary:* Shows a kitchen workroom developed, on the basis of research into energy costs and space needs for performance of household tasks, by housing specialists at the home economics laboratories at Beltsville Research Center.
*Buy from* PhotoLab.

**Beltsville newsreel, no. 1** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
5 min., sd., b&w, 16 mm.
*Summary:* Describes three research projects conducted at the Agricultural Research Center, Beltsville, Md., on the production of larger Easter lilies using the drug colchicine, improved buteric acid weed killers, and a pilot plant for producing chemical fertilizer.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 2** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
5 min., sd., b&w, 16 mm.
*Summary:* Describes four research projects conducted at the Agricultural Research Center, Beltsville, Md., on the fatherless turkey, improved weed killers, antibiotics for vegetable disease control, and twin calf research.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 3** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
*Summary:* Describes recommendations for use of zoysia grass for lawns, plastic covers for stack silos, and virus-free strawberries.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 4** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
*Summary:* Presents the use of atomic energy as a research tool, research with light and plants, and the battle against the Mediterranean fruit fly in Florida.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 5** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
5 min., sd., b&w, 16 mm.
*Summary:* Describes two research projects conducted at the Agricultural Research Center, Beltsville, Md., on the wet and dry methods of seed inoculation and the use of inedible fats in feeds for Beltsville white turkeys.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 6** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
*Summary:* Describes research work conducted at the Agricultural Research Center, Beltsville, Md., and at the Eastern Regional Research Laboratory, Philadelphia, Pa.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 7** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
*Summary:* Describes two research projects conducted at the Agricultural Research Center, Beltsville, Md., and at the Eastern Regional Research Laboratory, Philadelphia, Pa., on the use of inedible fats to grow more pounds of turkey with less feed and on the development of synthetic detergents from animal fats.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 8** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
*Summary:* Describes research conducted at the Agricultural Research Center, Beltsville, Md. and at the Eastern Regional Research Laboratory, Philadelphia, Pa., on the recovery of cortisone from agave and other foreign and domestic plants, and the use of surplus inedible fats in the production of improved plastics.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Beltsville newsreel, no. 9** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
*Summary:* Shows the various treating processes and effectiveness of research on durable creased cotton and flame-proofed cotton.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 10** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the use of dry milk products in making candies, Global Spread for bread, a paint that bends without cracking, and other new paints.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 11** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
6 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on longer-lasting scorch-resistant cloth, on plastic foam from castor oil, on fungicidal paint resistant to mold, and on a machine for cleaning cottonseed.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 12** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
6 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the uses and effects of Gibberellic acid on plant life growth, and on the uses of Dextran, the blood plasma extender, in hospitals and blood banks.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 13** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the production of potato flakes and the development of shrinkproof wool by a simple chemical treatment.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 14** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the development of supima cotton, powdered forms of fruit juices, and better-producing hybrid lambs. Also discusses a study of the common housefly.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 15** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
7 min., sd., b&w, 16 mm.
*Summary:* Shows how shaded bee hives increase honey production, how instant canned rice is processed, and how screwworms can be eradicated with radiant energy from cobalt-60.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 16** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
7 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the chemical control of Mesquite trees to increase forage for grazing; on taste testing for off-flavor problems of soybean oil; on the production of high quality wool from fleece; and on an underground water storage project.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 17** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
6 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the Echoscope, an electronic device which may be a valuable tool for obtaining meatier pork chops; on the control of the spotted alfalfa aphid; on a new and better way to turn straw into paper; and on the development of new food processing for space-age living. Discusses the exchange visits of American and Soviet scientists.
*Rent from* DA film libraries. *Cleared for tv.*

**Beltsville newsreel, no. 18** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
6 min., sd., b&w, 16 mm.
*Summary:* Describes the research activities conducted on the removing of radioactive fallout from soil; on dried eggs; and on improved grasses for the southwest. Discusses the conclusion of the Mediterranean fruit fly campaign in Florida.
*Rent from* DA film libraries. *Cleared for tv.*

**Bence-Jones protein test** (*Motion picture*) U. S. Veterans Administration, 1957.
8 min., sd., color, 16 mm.
*Summary:* Explains that the Bence-Jones protein test, although routinely performed in most clinical laboratories, is rarely positive. Shows a dramatically positive Bence-Jones protein test applied to urine containing almost pure Bence-Jones albumose.
*Borrow from* VA.

Bench molding series
see Foundry practice series. Bench molding

**Bench work, 8-268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)
Order no. MN 299-c.
*Summary:* Demonstrates how to check parts for cracks, use ring expansion tool, insert wrist pin bearings, reassemble piston, and replace needles in the eye of connecting rod.
*Borrow from* Navy. *Buy from* UWF.

Bench work series
see Cooper Bessemer diesel engine maintenance series. Bench work

Bench work series
see Machine shop work series. Bench work

**Benchwork, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 3707-e.
*Summary:* How to remove valves, overspeed trip assembly, transfer block, and check valve.
*Borrow from* Navy. *Buy from* UWF.

**Benchwork, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 3707-f.
*Summary:* How to clean and inspect the head; resurface valve seats; lap valves; and "mike" guides and valves.
*Borrow from* Navy. *Buy from* UWF.

**Benchwork, part 3** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 3707-g
*Summary:* How to install valves, overspeed trip, and transfer block; test valve and relief valve assembly; and start air starting check valve.
*Borrow from* Navy. *Buy from* UWF.

**Benchwork, part 4** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
26 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 3707-h.
*Summary:* How to disassemble the piston assembly; inspect and "mike" the piston, wrist pin, and wrist pin bearings; check ring clearance; reassemble piston and rod; and inspect, clean, and "mike" the liner.
*Borrow from* Navy. *Buy from* UWF.

Benchwork series
see Fairbanks Morse diesel engine maintenance series. Benchwork

Benchwork series
see Progressive maintenance on the General Motors 12-567A diesel engine series. Benchwork

**Bending copper tubing to a wire template** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 1)
Order no. OE 102.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How tubing is annealed, cooled, and filled with rosin; how a wire template is made; and how bends are marked on copper tubing, made, and checked.
*Buy from* UWF.

**Bending copper tubing to a wire template** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
37 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 1)
Order no. OE 102-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Bending oak techniques** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Eastern Sound Studios. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm.
Order no. FN 6734.
*Summary:* Demonstrates techniques of bending oak billets of Navy motor launch hulls; presentation of bending machines, procedure prior to bending, cautions to be observed during bending operations, storing of bent billets, and cutting of ribs.
*Borrow from* Navy. *Buy from* UWF.

**Bending to a cleat** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 306, formerly MG 2322-a.
Supplementary filmstrip of same title also available.
*Summary:* Explains how bending to a cleat is used in mooring operations, and demonstrates the procedure.
*Buy from* UWF.

**Bending to a cleat** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
15 fr., b&w, 35 mm.
Order no. SCG 306, formerly SG 2322-b.
Supplements motion picture of same title.
*Summary:* Demonstrates how to bend a line to a cleat and form a weather hitch.
*Buy from* UWF.

**The Benelux countries** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFIF 54.
*Summary:* A study of Belgium, the Netherlands, and Luxemburg, covering the historical background, and the current social, economics, and military status of each. Explains the significance of the customs union, named Benelux, formed by these three countries.
*Borrow from* Army.

**Benign dental tumors** (*Motion picture*) U. S. Dept. of the Army, 1950.
29 min., sd., color, 16 mm.
Order no. PMF 5136.
*Summary:* Gives the history, diagnosis, characteristics, treatment, and results of various cases of benign dental tumors. For professional personnel.
*Borrow from* Army.

**Bennington College** (*Motion picture*) U. S. Dept. of State, 1953. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education.
28 min., sd., b&w, 16 mm.
*Summary:* Describes the teaching methods at Bennington College, Vermont, and illustrates these methods by tracing the college career of one student, including her activities in the classroom and in the community as she prepares herself in her chosen field. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Bent with the years** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Explains some of the changes being made in the ways of living of Japanese women, and emphasizes their activities in and benefits derived from the post war rural cooperative associations which have been formed by Japanese women. Prepared for use in occupied areas, particularly Japan.
*Buy from* UWF.

**Best by test** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.
21 min., sd., b&w, 16 mm.
Order no. AFSR 96.
*Summary:* Portrays the choice of foods, tastefulness, dietary value, and method of service in the Army.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Better dummy joints** (*Motion picture*) U. S. Army Engineers, 1956.
9 min., sd., color, 16 mm.
*Summary:* Shows a method of construction of contraction joints in concrete paving, using corrugated paper board to provide the plane of weakness.
*Borrow from* Eng. *Cleared for tv.*

**Better eating** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
*Summary:* Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.
*Buy from* UWF. *Cleared for tv.*

Better eating
see also
La hortaliza en casa
Hortas

**Better farm buildings** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
6 min., sd., b&w, 16 mm.
*Summary:* Shows new techniques developed for construction of stronger farm buildings for protection against tornadoes and hurricanes. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Better farm markets** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
4 min., sd., b&w, 16 mm.
*Summary:* Shows results of USDA research in improving marketing facilities for farm produce. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Better farming; more milk** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
10 min., sd., color, 16 mm.
*Summary:* Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.
*Buy from* UWF. *Cleared for tv.*

Better farming; more milk
see also
Mas leche
Produza mais leite

**Better living through dairy cooperatives** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

5 min., sd., b&w, 16 mm.

*Summary:* Describes the organization and operation of dairy cooperatives, and how cooperatives have helped to reduce costs and improve the quality of milk. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Better living through research** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

21 min., sd., color, 16 mm.

Revision of the 1952 motion picture entitled: Research for better living.

*Summary:* Shows some of the research conducted by the Department of Agriculture at the Institute of Home Economics, Beltsville, Md., in the fields of food and nutrition, textiles and clothing, housing and household equipment, and family economics.

*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Better seeds for better grasslands** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

31 min., sd., color, 16 mm.

*Summary:* Emphasizes the importance of improved varieties of legume and grass seeds and proper management in the improvement of grasslands.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Better small engines** (*Motion picture*) U. S. Army Engineers, 1957.

15 min., sd., color, 16 mm.

*Summary:* Reviews the work accomplished by the Corps of Engineers, under the Department of Defense Gasoline engine standardization program, to improve and standardize the small industrial type gasoline engines used in military operations. Covers engine design and performance, features, production techniques, plans for quantity production, and typical equipment applications.

*Borrow from* Eng. *Cleared for tv.*

**A better tomorrow** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

24 min., sd., b&w, 16 mm. (American scene series, no. 8)

*Summary:* Shows activities of children and youth in the New York City public schools, and stresses the values of free public education open to all.

*Buy from* UWF.

**The bevel protractor** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

15 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 7)

Order no. OE 50.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Principles of the vernier bevel protractor; how to set and read the bevel protractor, and use the protractor to lay cut angular work and to check angles.

*Buy from* UWF.

**The bevel protractor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

34 fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 7)

Order no. OE 50-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Beveling, grooving, and rounding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

27 min., sd., b&w, 16 mm. (Optical craftsmanship series)

Order no. MN 2449-g.

*Summary:* Illustrates techniques involved in grooving, beveling, and rounding both flat and curved surfaces; demonstrates importance of beveling the edges of all optical surfaces to prevent chipping, adaptation of surface grinder for grooving, and two common types of rounding machines.

*Borrow from* Navy.

**Beveling, mitering, rabbeting, and dadoing** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the variety saw, no. 2)

Order no. OE 307.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to cut a bevel with tilted fence; set a miter gage; use a stopblock in mitering; set the fence and blade for cutting rabbets; and install and use a dado head.

*Buy from* UWF.

**Beveling, mitering, rabbeting, and dadoing** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

35 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 2)

Order no. OE 307-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Beveling, mitering, rabbeting, and dadoing
see also
Biseau, onglet, feuillure, et entaille

**Beveling, stop chamfering, and tapering square stock** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

20 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 2)

Order no. OE 303.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set fence for bevel cutting; adjust the proper amount of cut; cut chamfer; set the infeed and outfeed tables and stop blocks; and cut tapers.

*Buy from* UWF.

**Beveling, stop chamfering, and tapering square stock** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

62 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 2)

Order no. OE 303-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Beveling, stop chamfering, and tapering square stock
see also
Biseau, chanfrein arrête et effilage progressif
d'une pièce carrée

**Beyond the stick and rudder** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

14 min., sd., b&w, 16 mm.

Order no. TF 1-5300.

*Summary:* Explains the basic principles of aerodynamics, shows how aircraft designers apply these laws to achieve superior design and performance without detracting from pilot safety, and emphasizes the pilot's need for a thorough knowledge of these laws for safe flying.

*Borrow from* AF. *Buy from* UWF.

**Beyond tomorrow, a story of an American girl** (*Motion picture*) U. S. Dept. of the Army, 1955.

15 min., sd., color, 16 mm.

Order no. MF 20-8418.

*Summary:* A dramatization about a young girl who, on the day of her marriage, reflects on her life as a member of the Women's Army Corps, reminisces about her subsequent experiences, and evaluates her military service. Prepared for WAC recruiting purposes.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The big gamble** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
15 min., sd., b&w, 16 mm.
*Summary:* Dramatizes some of the risks of farming — floods, drought, fire, insects, etc.—and explains how the Federal Crop Insurance Corp. can help farmers whose crops may be damaged or destroyed.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The big picture: Battlefields of Europe** (*Motion picture*) U. S. Dept. of the Army, 1958.
29 min., sd., b&w, 16 mm.
Project no. 16859.
*Summary:* Describes major World War II battlefields of Europe and shows scenes of the battles and of the areas today. Included are Omaha Beach, St. Laurent, Cherbourg, Saint-Lo, Aachen, Metz, Malmedy, Luxembourg, Bastogne, Cologne, Remagen Bridge, Dortmund, Essen, Dusseldorf, and Nuremberg.
*Borrow from* Army. *Buy from* UWF.

**The big picture: Christmas in music** (*Motion picture*) U. S. Dept. of the Army, 1956.
28 min., sd., b&w, 16 mm.
Project no. 16825.
*Summary:* Features the U. S. Army Field Band and Soldiers' Chorus, a total of more than 100 musicians and singers conducted by Major Chester E. Whiting. Also presents a special Christmas message by Army Chief of Staff, General Maxwell D. Taylor, and a prayer for peace by Army Chief of Chaplains, Major General Patrick J. Ryan.
*Borrow from* Army.

**The big picture: Countdown to Explorer** (*Motion picture*) U. S. Dept. of the Army, 1958.
28 min., sd., b&w, 16 mm.
Order no. TV 397.
*Summary:* Tells the story of the successful launching of Explorers I and III by the U. S. Army at Cape Canaveral, Florida.
*Borrow from* Army.

**The big picture: Medical service Corps** (*Motion picture*) U. S. Dept. of the Army, 1956.
29 min., sd., b&w, 16 mm.
Order no. TV 310.
*Summary:* Shows how officers and enlisted men are instructed at Brooke Army Medical Center in the skills of hospital administration, evacuation of the wounded, field sanitation, diet control, serology, parasitology, pharmacology, and other subjects which support Army medical personnel in their work.
*Borrow from* Army.

**The big picture: Operation Lifeline** (*Motion picture*) U. S. Dept. of the Army, 1958.
28 min., sd., b&w, 16 mm.
Order no. MF 20-8944.
*Summary:* Describes the organization, methods, and advantages of the modernized military supply system patterned in accordance with new concepts of modern warfare. Includes an introduction by Wilber M. Brucker, Secretary of the Army.
*Borrow from* Army. *Buy from* UWF.

**Big pipe maneuver** (*Motion picture*) U. S. Army Engineers, 1951.
18 min., sd., color, 16 mm.
*Summary:* Shows the fabrication of twin steel culverts 12 x 15,000 feet, their insertion into an excavated channel, and the diversion of a creek through them, thus providing a way for an aircraft runway extension at McChord Air Force Base.
*Borrow from* Eng. *Cleared for tv.*

**Big river** (*Motion picture*) U. S. Army Engineers, 1953.
30 min., sd., color, 16 mm.
*Summary:* Depicts the changes which have taken place in navigation on the lower Mississippi River and on the inland waterways system in recent years. Contrasts early steamboat navigation with the modern Diesel towboats, and shows the variety of commodities transported on the waterways system.
*Borrow from* Eng. *Cleared for tv.*

**The big wheel** (*Motion picture*) U. S. Dept. of the Army, 1950.
17 min., sd., b&w, 16 mm.
Order no. MF 130-7723.
*Summary:* History of 25th Infantry Division.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Bikini — radiological laboratory** (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by University of Washington.
22 min., sd., color, 16 mm.
*Summary:* A pictorial record of a survey by University of Washington scientists of the effects of radioactivity upon plant and marine life on Bikini Atoll 3½ years after the 1946 Able and Baker atomic bomb tests.
*Borrow from* AEC. *Buy from* UWF. *Cleared for tv.*

Biological and chemical decontamination; exteriors
see ABC warfare defense ashore: Biological and chemical decontamination; exteriors

Biological warfare decontamination; interiors
see ABC warfare defense ashore: Biological warfare decontamination; interiors

Biological warfare decontamination; personal equipment
see ABC warfare defense ashore: Biological warfare decontamination; personal equipment

Biological warfare decontamination; personnel
see ABC warfare defense ashore: Biological warfare decontamination: personnel

**Biology and control of domestic mosquitoes** (*Motion picture*) U. S. Public Health Service, 1960.
22 min., sd., color, 16 mm.
Order no. M 357.
*Summary:* Stresses the need for local health departments, civic and service groups, and individuals to cooperate with the U. S. Public Health Service in the control of domestic mosquitoes.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Biology and control of the cockroach** (*Filmstrip*) U. S. Public Health Service, 1953.
62 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 91.
*Summary:* Shows five common species of the "domestic" cockroach, identification and life cycle of each species, habits of cockroaches, methods of inspecting premises for cockroaches, and control measures. For sanitarians, food handlers, and restaurant operators.
*Borrow from* PHS. *Buy from* UWF.

**Biology of domestic flies** (*Motion picture*) U. S. Public Health Service, 1952.
9 min., sd., b&w, 16 mm. (Community fly control series)
Order no. M 80.
Filmstrip with same title also available.
*Summary:* Explains the life cycle of the house fly; characteristics of domestic flies (house, blow, flesh, and stable flies); typical breeding places; public health implications of the fly's mechanisms for transmitting disease organisms and filth; and control measures.
*Borrow from* PHS. *Buy from* UWF.

**Biology of domestic flies** (*Filmstrip*) U. S. Public Health Service, 1951.
31 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Community fly control series)
Order no. F 80.
Motion picture with same title also available.
*Borrow from* PHS. *Buy from* UWF.

**Birds; their value to agriculture** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. Fish and Wildlife Service, 1947.
61 fr., b&w, 35 mm.
Order no. 675.
With lecture notes.
*Summary:* Explains life and habits of birds and their economic value due to their use of insects as food. Shows provisions for protection and emergency feeding of birds.
*Buy from* PhotoLab.

**Birth of an era** (*Motion picture*) U. S. Army Engineers, 1954.
27 min., sd., color, 16 mm.
*Summary:* Shows the construction of the Clark Hill Dam on the Savannah River, and explains the importance of the planned development of the Savannah River basin for flood control, power, and navigation. Illustrates by animation how hydroelectric power is generated in a dam.
*Borrow from* Eng. *Cleared for tv.*

**Biseau, chanfrein arrête et effilage progressif d'une pièce carrée** (*Motion picture*) U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 2)
Order no. OE 306–Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Beveling, stop chamfering, and tapering square stock.
*Buy from* UWF.

**Biseau, onglet, feuillure, et entaille** (*Motion picture*) U. S. Office of Education, 1951.
19 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie combinée, no 2)
Order no. OE 307–Fr.
French version prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Beveling, mitering, rabbeting and dadoing.
*Buy from* UWF.

**Bite 'em and C** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of oranges. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Black marketing** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
*Summary:* Dramatization of a typical case taken from the files of the Office of Price Administration, showing the operation of a black market and its defeat by cooperative efforts of the public and law-enforcement officials.
*Buy from* UWF.

**The blacksmith: Calculating and bending rings and links** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2350–a.
*Summary:* Teaches elementary shipsmithing including linear calculation of stock, forming of rings and links, forge welding, and the use of common hand blacksmith's tools.
*Borrow from* Navy. *Buy from* UWF.

**The blacksmith: Calculating and forging a deck socket wrench** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2350–b.
*Summary:* Shows the steps taken in forging a deck socket wrench from reading the blueprint and selecting the stock to forging and finishing.
*Borrow from* Navy. *Buy from* UWF.

**Blanking and piercing** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.
16 min., sd., b&w, 16 mm. (How to form aluminum series)
Order no. 205.
*Summary:* Shows techniques of blanking and piercing aluminum; operations of the die and punch; "gang blanking"; the Guerin method; the uses of different kinds of shears and saws and the routing machine.
*Borrow from* BM. *Cleared for tv.*

**Blanking sheet metal on the squaring shear** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 1)
Order no. OE 130.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to lay out tapered blanks on an aluminum sheet; set up a hand-operated squaring shear; use holddowns and treadle; and check and trim blanks.
*Buy from* UWF.

**Blanking sheet metal on the squaring shear** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
59 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 1)
Order no. OE 130–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Blanking sheet metal series
see Aircraft work series. Blanking sheet metal

**Blanking sheet metal with hand snips** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.
18 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 2)
Order no. OE 131.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to cut along a straight line; cut an outside circle, a notch, an inside line; and remove burrs left by cutting.
*Buy from* UWF.

**Blanking sheet metal with hand snips** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.
45 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 2)
Order no. OE 131–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Blanking with rotary and high speed shears** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
16 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 4)
Order no. OE 292.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up rotary and high-speed shears; make test cuts; and operate the shears for production runs.
*Buy from* UWF.

**Blanking with rotary and high speed shears** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
36 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 4)
Order no. OE 292–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Blanking with the swing arm router** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
17 min., sd., b&w, 16 mm. (Aircraft work series. Blanking sheet metal, no. 3)
Order no. OE 132.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to operate a swing-arm router; set up the work and template for routing; change router bits; rout internal and external contours.
*Buy from* UWF.

**Blanking with the swing arm router** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
36 fr., b&w, 35 mm. (Aircraft work series. Blanking sheet metal, no. 3)
Order no. OE 132-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Blastomyces dermatitidis** (*Filmstrip*) U. S. Public Health Service, 1954.
45 fr., color, 35 mm. with disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Laboratory identification of systemic fungi, no. 1)
Order no. F 116-a.
*Summary:* Illustrates clinical signs and histologic aspects of *Blastomyces dermatitidis*, and techniques used in the microscopic examination of specimens.
*Borrow from* PHS.

**Bleeding hydraulic brakes** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
58 fr., b&w, 35 mm.
Order no. SN 2794.
*Summary:* Indicates the three general types of hydraulic airplane brakes and explains the need for bleeding these brakes when air gets into the line. Shows step-by-step how to bleed each type.
*Borrow from* Navy.

**Blind riveting** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
15 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 8)
Order no. OE 294.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Necessity for blind riveting; how to rivet parts that are completely blind; and use special tools and rivets in blind riveting jobs.
*Buy from* UWF.

**Blind riveting** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
25 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 8)
Order no. OE 294-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

**Block dissection and pneumonectomy of bronchogenic carcinoma, left side** (*Motion picture*) U. S. Veterans Administration, 1958.
19 min., si., color, 16 mm.
*Summary:* Demonstrates a case of left-sided bronchogenic carcinoma, with radiographic findings and the surgical technic of radical pneumonectomy with block dissection of the mediastinal lymph node-bearing tissue and with pericardial resection. Includes a demonstration of the surgical pathology and postoperative radiograms.
*Borrow from* VA.

**Block dissection and pneumonectomy for bronchogenic carcinoma, right side** (*Motion picture*) U. S. Veterans Administration, 1959.
21 min., si., color, 16 mm.
*Summary:* Shows preoperative and postoperative X-rays in a case of bronchogenic carcinoma of the right lung, and the detailed steps for radical pneumonectomy with en bloc dissection of all the mediastinal and hilar lymph node-bearing tissue. Dissection extends from the cupola of the chest to the diaphragm. Intrapericardial dissection is also demonstrated. The removed pathological specimen is demonstrated postoperatively.
*Borrow from* VA.

**Block that termite** (*Motion picture*) U. S. Dept. of Agriculture, 1940.
20 min., sd., b&w, 16 mm.
*Summary:* Shows how to prevent termite infestation in new buildings, and how to arrest further damage in termite-infested buildings.
*Rent from* DA film libraries. *Buy from* UWF.

**Blood and bullets** (*Motion picture*) U. S. Dept. of Defense, 1951.
14 min., sd., b&w, 16 mm.
Order no. AFSR 134.
*Summary:* Emphasizes the need for whole blood for use in Korea, describes processing of blood for shipment to combat areas, and explains how a person can donate blood.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Blue lupine** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
15 min., sd. color. 16 mm.
*Summary:* How to plant and harvest blue lupine, a nitrogen-producing cover crop used in the South; and how to clean, store, and care for blue lupine seed.
*Rent from* DA film libraries. *Buy from* UWF.

**Blue ribbon** (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
*Summary:* Shows family life and activities of rural youth in the United States. 4-H club activities and exhibits at county, agricultural fairs, and "blue ribbon" awards given to boys and girls for livestock, farm produce, and homemaking projects. Prepared for overseas use.
*Buy from* UWF.

**Blue tongue** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Defense Administration and California Dept. of Agriculture, 1954.
9 min., sd., color, 16 mm.
*Summary:* Describes the history and geographical distribution of blue tongue, catarrhal fever of sheep; symptoms, lesions, and pathology characteristic of the disease; and means of prevention and control.
*Rent from* DA film libraries. *Buy from* DA.

**The bluejacket's personal hygiene** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by March of Time. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm.
Order no. MN 1509.
*Summary:* Stresses the importance of cleanliness and good health in the Navy. Describes correct posture, care of feet, hands, fingernails, hair, teeth, eyes, and ears; and explains how to prevent communicable diseases and avoid colds.
*Borrow from* Navy. *Buy from* UWF.

**Board of education** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.
23 min., sd., b&w, 16 mm.
*Summary:* Explains the benefits of a consolidated school and how the residents of a rural community in the United States organized to obtain such a school with improved educational opportunities for their children. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The body, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
43 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (First aid series)
Order no. SN 216-a.
*Summary:* Shows by photographs and drawings the parts of the body: bones, muscles, tendons, skin, blood, head, trunk, limbs.
*Borrow from* Navy. *Buy from* UWF.

**The body, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min. (First aid series)
Order no. SN 216-b.
*Summary:* Shows by photographs and drawings circulatory, respiratory, digestive, and nervous systems of the body.
*Borrow from* Navy. *Buy from* UWF.

**The boiler** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
96 fr., b&w, 35 mm.
Order no. SCO 117 formerly SG 1774.
*Summary:* Explains the formation of steam; defines such terms as "latent heat of steam" and "superheated steam"; and shows general parts of water and fire-tube boilers.
*Borrow from* UWF.

**Boiler repair, water side: Closing the boiler** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
10 min., sd., b&w, 16 mm.
Order no. MN 7861-d.
*Summary:* Shows how to close the boiler and prepare it for service again after all necessary inspections have been made to the water sides, including inspection and replacement of faulty tubes.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repair, water side: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
9 min., sd., b&w, 16 mm.
Order no. MN 7861-a.
*Summary:* An introduction to basic problems and conditions leading to boiler repairs, both water side and fire side. Discusses failure of tubes, their inspection and/or replacement, condition of the refractory, and various checkpoints.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repair, water side: Removing boiler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
10 min., sd., b&w, 16 mm.
Order no. MN 7861-b.
*Summary:* Shows proper tools, materials, methods, precautions, and overall conditions for replacing boiler tubes. Stresses safety precautions.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repair, water side: Replacing boiler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
8 min., sd., b&w, 16 mm.
Order no. MN 7861-c.
*Summary:* Shows how to replace boiler tubes after they have been properly removed and inspected for possible faults in operation and safety.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repairs, fire side: Building walls and floors** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
13 min., sd., b&w, 16 mm.
Order no. MN 7862-a.
*Summary:* Shows the materials and methods to be utilized in building walls and floors in the fire side of the boiler. Includes a step-by-step analysis of laying insulating brick and firebrick by layers, and painting with air-setting mortar.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repairs, fire side: High temperature castable refractories** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
14 min., sd., b&w, 16 mm.
Order no. MN 7862-d.
*Summary:* Explains the use of high temperature castable refractory and castable chrome ore, conditions necessary for their utilization, and all necessary steps for application, from premixing of materials to air-drying and baking-out.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repairs, fire side: Installing plastic chrome ore** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
5 min., sd., b&w, 16 mm.
Order no. MN 7862-c.
*Summary:* Shows how to apply plastic chrome ore in a boiler through the portrayal of an actual installation from beginning to end. Stresses careful procedures and safety.
*Borrow from* Navy. *Buy from* UWF.

**Boiler repairs, fire side: Installing plastic fire brick** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.
7 min., sd., b&w, 16 mm.
Order no. MN 7862-b.
*Summary:* Discusses conditions for using plastic firebrick and shows the step-by-step method of applying this material. Explains its advantages and disadvantages.
*Borrow from* Navy. *Buy from* UWF.

**Bomber** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* Shows the manufacture of the B-26 Army bomber and its speed and power in flight. Commentary especially written by Carl Sandburg.
*Buy from* UWF.

**Bombs over Tokyo** (*Motion picture*) U. S. Marine Corps, 1947.
18 min., sd. b&w, 16 mm.
Order no. MH 9145.
*Summary:* Review of the amphibious operations of the Marine Corps in the Pacific which were necessary to obtain air and naval bases for the bombing of Japan.
*Borrow from* Navy.

**Bonded thin concrete resurfacing** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. TF 1-5158.
*Summary:* Describes a new method of resurfacing runways, including cleaning the runway of debris, oil, and grease; thoroughly wetting down the runway; using foaming muriatic acid to provide a strong bond between old and new concrete; mixing and testing aggregate; locating forms; spreading special bonding mortar; and locating new joints over old.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Booking of military offenders** (*Motion picture*) U. S. Dept. of the Army, 1952.
17 min., sd., b&w, 16 mm.
Order no. TF 19-1799.
*Summary:* Explains correct methods and procedures to be followed in recording incidents and processing military offenders at military police headquarters, and in searching such prisoners and handling their personal property.
*Borrow from* Army.

**Books for everyone** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
*Summary:* Shows how the manufacture and distribution of millions of paper-bound books in America makes various types of publications easily available for education or entertainment. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Boring holes with offset boring head** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 7)
Order no. OE 209.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount the workpiece on the milling machine table; bore with an offset boring head; and use plug gages and a micrometer to check the center distance between the holes.
*Buy from* UWF.

**Boring holes with offset boring head** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
45 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 7)
Order no. OE 209-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Boring to close tolerances** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 11)

Order no. OE 59.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to mount and adjust the brass valve bonnet in a ring fixture; rough- and finish-face the hub; rough- and finish-bore the hole to close tolerances; prevent bellmouth when boring a hole.

*Buy from* UWF.

**Boring to close tolerances** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

24 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 11)

Order no. OE 59–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Boring to close tolerances
  see also
 Perforación micrométrica
 Perfuração micrométrica

**Borneo and Celebes** (*Filmstrip*) U. S. Dept of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

91 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min. (Theatres of war series. Pacific area; Netherlands East Indies)

Order no. SN 1538–q.

*Summary:* Reviews the geographical features of Borneo and Celebes; and stresses the danger of Japanese patrols and the possible advantages of befriending natives for safe travel to a friendly base.

*Borrow from* Navy. *Buy from* UWF.

**Bougainville** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

9 min., sd., b&w, 16 mm. (Historical reports series)

Order no. HR–A–5.

*Summary:* Historical report of the landing operation and subsequent capture of Bougainville in 1943 by the American 37th Division, 14th Corps, and 3rd Marine Division.

*Borrow from* Army. *Buy from* UWF.

**The bounteous earth** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

9 min., sd., color, 16 mm. (Mexican fiestas series, no. 2)

*Summary:* Two fiestas closely related to the agricultural life of the Mexicans; blessing of animals on Candlemas Day in Cholula; harvest dances in tropical Tehuantepec.

*Buy from* UWF.

**The bowline** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

4 min., sd., b&w, 16 mm.

Order no. MCG 307, formerly MG 2140–a.

Supplementary filmstrip of same title also available.

*Summary:* Demonstrates how to bend a bowline.

*Buy from* UWF.

**The bowline** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

33 fr., b&w, 35 mm.

Order no. SCG 307, formerly SG 2140–b.

Supplements motion picture of same title.

*Buy from* UWF.

**Brake and landing gear mechanism inspection, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1951.

34 fr., b&w, 35 mm.

Order no. SN 110–a.

*Summary:* Demonstrates how to inspect the landing gear and brake assembly of a single engined plane with fixed landing gear; and inspect and service landing gear and brake assembly of twin-engined plane with retractable landing gear.

*Borrow from* Navy. *Buy from* UWF.

**Brake and landing gear mechanism inspection, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

67 fr., b&w, 35 mm.

Order no. SN 110–b.

*Summary:* Describes the operation and inspection of the retractable landing gear of a Douglas transport.

*Borrow from* Navy. *Buy from* UWF.

**Brazil** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

11 min., sd., color, 16 mm. (South American medley series, no. 4)

*Summary:* Views of Santos, São Paulo, Rio de Janeiro, and the Amazon country.

*Buy from* UWF.

**Brazil gets the news** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Brazil Tourist Information Bureau, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., b&w, 16 mm.

*Summary:* Publication of a São Paulo newspaper from the receipt of a dispatch to the sale of the paper on the street.

*Buy from* UWF.

**Brazilian quartz goes to war** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., b&w, 16 mm.

*Summary:* Report on the mining of quartz in Brazil and of the importance of quartz in the production of radio equipment and other war supplies.

*Buy from* UWF.

**Brazilian trainees visit land grant colleges** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

4 min., sd., b&w, 16 mm.

*Summary:* Portrays Brazilian agriculturists touring farms and land grant colleges in the United States to learn the improved methods of farming and the new veterinary medicine techniques. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Brazil's fishing school** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

15 min., sd., b&w, 16 mm.

*Summary:* Story of the Marambaia Fishing School, on the Bay of Ilha Grande, which trains Brazilian boys in fishing arts—building and handling small boats, making and repairing nets, and catching all kinds of fish from sardines to sharks.

*Buy from* UWF.

**Brazing carbide tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

18 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 1)

Order no. OE 241.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Characteristics of carbide tools; how to braze carbide tools with silver solder; make a sandwich braze; braze by other methods; and remove the carbide tip from the shank.

*Buy from* UWF.

**Brazing carbide tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.
41 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 1)
Order no. OE 241–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Brazing flanges with silver solder** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
13 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 3)
Order no. OE 104.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How tubing and silver brazing flanges are fitted; flux applied; heat applied to draw silver solder in and out; and flanges cleaned after soldering.
*Buy from* UWF.

**Brazing flanges with silver solder** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
27 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 3)
Order no. OE 104–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Brazing flanges with spelter** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 2)
Order no. OE 103.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How copper tubing is prepared for flanges; flanges fitted for brazing; borax applied before brazing flanges; tube and flange brazed over a forge; and brazed flanges prepared for installation on the hull.
*Buy from* UWF.

**Brazing flanges with spelter** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
37 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 2)
Order no. OE 103–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Break your match** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
40 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 3, no. 1)
*Summary:* Explains the importance of breaking a match after its use in order to prevent fires. Prepared for television use.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Breakbone fever, "dengue"** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
8 min., sd., color, 16 mm. (Medicine in action series, no. 3)
Order no. MN 3726–c.
*Summary:* Shows effectiveness of mosquito control in checking the incidence of dengue in the Southwest Pacific.
*Borrow from* Navy. *Buy from* UWF.

**Breakthrough: The challenge of agricultural research** (*Motion picture*) U. S. Dept. of Agriculture, 1960.
28 min., sd., color, 16 mm.
*Summary:* Shows examples of research work under way in the Agricultural Research Service, including the fields of farm economics, entomology, animal husbandry, animal disease and parasites, agricultural engineering, soil and water, and crops; emphasizes that continual research and study are necessary for a "breakthrough" to be achieved.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Breast cancer: The problem of early diagnosis** (*Motion picture*) American Cancer Society and U. S. National Cancer Institute, 1949. Made by Audio Productions.
34 min., sd., color, 16 mm.
With booklet.
*Summary:* A survey of cancer of the breast, covering normal breast development, clinical pathology of breast cancer, and examination of the breast, and stressing early diagnosis and treatment in lowering mortality figures. For general practitioners, gynecologists, residents, interns, medical students, nurses.
*Borrow from* ACS *or* NCI. *Buy from* ACS.

**Breast self-examination** (*Motion picture*) American Cancer Society and National Cancer Institute of the U. S. Public Health Service, 1950. Produced by Audio Productions.
16 min., sd., color, 16 mm.
*Summary:* Demonstrates a simple method for self-examination of the breast, designed to encourage women to make this examination a regular health habit. For general audiences of adult women, nurses, medical students and physicians.
*Borrow from* ACS *or* NCI. *Buy from* ACS.

**The breaststroke, sidestroke, and underwater swimming** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.
12 min., sd., b&w, 16 mm.
Order no. MCG 115–aj, formerly MG 2080.
*Summary:* Demonstrates the breaststroke and the sidestroke, and how to swim under water.
*Buy from* UWF.

**Breeds of sheep** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
56 fr., b&w, 35 mm.
Order no. 141.
With lecture notes.
*Summary:* Illustrates how breeds of sheep are classified on the basis of fine, medium, or coarse wool, and karakul fur.
*Buy from* PhotoLab.

**Breeds of swine** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
33 fr., b&w, 35 mm.
Order no. 44.
With lecture notes.
*Summary:* Pictures several breeds of swine commonly used in producing market hogs in the United States; compares lard and bacon types.
*Buy from* PhotoLab.

**Brief on Italy** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Order no. AFIF 71.
*Summary:* Describes Italy's past, the nature of her people, and the present mode of life. Through the experiences of two servicemen with a typical Italian family, illustrates the significance of the human element and points up the value of learning a little of the language. Closes with a reaffirmation of the importance of friendly, respectful behavior for good Italian-American relations.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Broaching an internal keyway** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on a broaching machine, no. 1)
Order no. OE 236.
With instructor's manual. Supplementary filmstrip of same title also avalable.
*Summary:* Principles of internal broaching and of broaching tool design; how to select the broaching tool for the job, and set up and operate the horizontal broaching machine.
*Buy from* UWF.

**Broaching an internal keyway** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
35 fr., b&w, 35 mm. (Machine shop work series. Operations on a broaching machine, no. 1)
Order no. OE 236–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Bronchiogenic carcinoma** (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

16 min., sd., color, 16 mm.

*Summary:* Explains the incidence of bronchiogenic carcinoma, its diagnostic features and surgical management; and points out that patients with bronchiogenic carcinoma can be cured if diagnosis and treatment are introduced at an early stage of the disease. For medical personnel.

*Borrow from* VA. *Buy from* UWF.

**Brooklyn Technical High School** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Cinema Service Corp. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

*Summary:* Scenes of equipment and classes in engineering, construction, and manufacturing procedures being held in a technical high school in the United States. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Browning machine gun caliber .30: Principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1954.

21 min., sd., b&w, 16 mm.

Order no. TF 9–1861.

*Summary:* Describes the purpose and functioning of the Browning machine gun caliber .30, the component parts of the weapon, and the mechanical functioning of the weapon. Demonstrates its firepower capabilities and value to a tactical unit.

*Borrow from* Army.

**Brucellosis ring test** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

6 min., sd., color, 16 mm.

*Summary:* Describes the methods and techniques of a presumptive herd test for brucellosis. Explains that the B. T. R. is applied to milk samples from dairy herds as a screen procedure to locate herds containing infected animals, and that infected herds, once located, are officially blood tested to locate and identify the individual animals.

*Rent from* DA film libraries. *Buy from* UWF.

**Budget size Bikini** (*Motion picture*) U. S. Army Engineers, 1953.

14 min., sd., color, 16 mm.

*Summary:* Shows research in shallow-water explosions for the purpose of developing basic data relative to effects of explosions in shallow harbor areas. Illustrates some of the special instrumentation developed for the study and explains that data are obtained on shock-wave phenomena occurring in the air near the blast point, on characteristics of waves developing in water, and on cratering effects in shallow harbors.

*Borrow from* Eng. *Cleared for tv.*

**Building a bomber** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

19 min., sd., b&w, 16 mm.

*Summary:* Explains in detail the manufacture of the B–26 Army bomber. Intended primarily for students in engineering colleges and vocational schools.

*Buy from* UWF.

**Building a box beam spar** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

21 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 2)

Order no. OE 297.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to assemble parts of the spar in a jig; apply aircraft glue; clamp parts together for a good glue bond; varnish surfaces; and use jigs for accurate drilling.

*Buy from* UWF.

**Building a box beam spar** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

47 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 2)

Order no. OE 297–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Building a tank** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

20 min., sd., b&w, 16 mm.

*Summary:* Shows the construction of the M–8 Army tank, including technical details of manufacture.

*Buy from* UWF.

**Building a wooden rib** (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

19 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 1)

Order no. OE 296.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to assemble, fit, and glue wooden parts in a jig; fit and position the gussets to the framework; apply aircraft glue and varnish.

*Buy from* UWF.

**Building a wooden rib** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

38 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 1)

Order no. OE 296–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Building and utility layout** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

56 fr., b&w, 35 mm. (Surveying series)

Order no. FS 5–78.

*Summary:* Describes the proced[illegible] surveying and laying out roads, utilities, and buildings at an [illegible] installation.

*Borrow from* Army. *Buy from* UW[illegible]

**Building construction, advanced base type** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Frederick K. Rockett Co. Released for public educational use through U. S. Office of Education, 1954.

20 min., sd., b&w, 16 mm.

Order no. MN 7438.

*Summary:* Demonstrates the erection of packaged buildings, the steel arch rib buildings, 40 x 100 and 20 x 48, and the 40 x 100 steel straight side buildings. Explains the preparation of site, laying of footings, and problems peculiar to packaged buildings.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Building food sales through better merchandising** (*Motion picture*) U. S. Dept. of Agriculture, 1959. Made by Boston University.

15 min., sd., color, 16 mm.

*Summary:* A study of sales results obtained for different types of store displays of canned foods.

*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

Building techniques series
see
Foundations and concrete
Framing: Floor joists and walls
Framing: Hip and valley rafters
Framing: Rafter principles and common rafters
Fundamentals of stair layout
Interior and exterior trim

**Building the expansible farm house** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

6 min., sd., b&w, 16 mm.

*Summary:* Shows the step-by-step construction of a farm house according to a new design developed by the U. S. Department of Agriculture. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Building the fire line** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

27 min., sd., color, 16 mm.

*Summary:* Shows a typical forest fire problem and the tactics used by the fire boss, foremen, and crews—locating the fireline, deployment of men, assignment of tools, and choice of effective control and suppression measures.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Bulk milk handling** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

4 min., sd., b&w, 16 mm.

*Summary:* Describes the bulk handling of milk on the farm and the delivery by bulk tank trucks to the creamery. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**The bulkhead: Laying off and fitting a centerline stiffener** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 8)

Order no. OE 31.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Design of a centerline bulkhead stiffener; how to lay out the main stiffener bar with the water-lines and work lines; lay out, cut, and fit a main stiffner bracket and tripping brackets.

*Buy from* UWF.

**The bulkhead: Laying off and fitting a centerline stiffener** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

46 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 8)

Order no. OE 31–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 7)

Order no. OE 30.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to align templates to a bulkhead plate; mark off stiffener work lines on the bulkhead plate; and prepare the plate for welding the stiffeners.

*Buy from* UWF.

**The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

43 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 7)

Order no. OE 30–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**The bulkhead: Setting a transverse watertight bulkhead into the hull** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 9)

Order no. OE 32.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to square a transverse bulkhead to a frame line and the centerline of the ship; set the bulkhead to proper height and declivity; cut the bulkhead to fit the innerbottom; and fit the bulkhead to the hull and tack-weld it.

*Buy from* UWF.

**The bulkhead: Setting a transverse watertight bulkhead into the hull** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

57 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 9)

Order no. OE 32–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Bull Shoals Dam** (*Motion picture*) U. S. Army Engineers, 1956.

25 min., sd., color, 16 mm.

*Summary:* shows the construction of Bull Shoals Dam on the White River in north Arkansas from early exploration to dedication of the structure; and its part in the development of the White River Basin for flood control, hydroelectric power, and recreation.

*Borrow from* Eng. *Cleared for tv.*

**Bullet wound of left leg and foot: Proper initial debridement; primary delayed closure, 4th day** (*Motion picture*) U. S. Dept. of the Navy, 1954.

15 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–i.

*Summary:* Shows long incision necessary to expose properly extensive underlying damage to bone and soft parts and to perform debridement; careful dissection to permit identification and preservation of nerves and arteries; and unroofing of missile tract to permit complete debridement and lavage of wound. Demonstrates exposure and drainage of foot wound. Shows immobilization of a leg in a molded plaster splint and inspection and closure of the wound on the 4th day.

*Borrow from* Navy.

**Buoyant ascent** (*Motion picture*) U. S. Dept. of the Navy, 1957.

14 min., sd., color, 16 mm.

Order no. MN 8759.

*Summary:* Technical report explaining how to make buoyant ascent and showing the use of the escape tank in training men to make ascents from the eighteen, fifty, and one hundred foot levels.

*Borrow from* Navy. *Cleared for tv.*

**Buoys and beacons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., color, 16 mm. (Aids to navigation series)

Order no. MN 202–ab.

*Summary:* Explains the functions and distinguishing features of buoys and beacons—color, numbering, shape, and characteristics of lights; and shows how to identify each type.

*Borrow from* Navy. *Buy from* UWF.

**Burnishing pivots** (*Motion picture*) U. S. Veterans Administration, 1949.

8 min., sd., b&w, 16 mm. (Light mechanics series, no. 9)

Supplements the film released in 1949 with the title Prescription for work.

*Summary:* Explains that burnishing the pivots of a watch balance shaft reduces friction, and demonstrates how to burnish pivots at different angles.

*Borrow from* VA. *Buy from* UWF.

**Burns** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

38 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (First aid series)

Order no. SN 222.

*Summary:* How to distinguish between burns and scalds; and how to recognize and treat first-, second-, and third-degree burns.

*Borrow from* Navy. *Buy from* UWF.

**Burroughs newsboy foundation** (*Motion picture*) U. S. Dept. of the Army, 1949. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
*Summary:* Description of the school, clubhouse, and summer camp given to Boston's newsboys by a former newsboy, Harry E. Burroughs. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Bus care and maintenance** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
13 min., sd., b&w, 16 mm. (Automotive series. School bus operation, no. 1)
Order no. OE 494.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Importance of daily and weekly maintenance checks; how to start, steer, and stop the bus; how to double clutch; and the importance of safe driving habits.
*Buy from* UWF.

**Bus care and maintenance** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
51 fr., b&w, 35 mm. (Automotive series. School bus operation, no. 1)
Order no. OE 494–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Bus operation series
see Automotive series. Bus operation

**Businessmen's service club** (*Motion picture*) U. S. Dept. of State, 1951. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1952.
23 min., sd., b&w, 16 mm.
*Summary:* Shows how members of the Kiwanis Club in Waterbury, Conn., as a community service to high-school students, give evening talks about their businesses and professions; and how the students work after school in various businesses in order to gain experience. Prepared for overseas use.
*Buy from* UWF.

**Buying good food** (*Filmstrip*) U. S. Public Health Service, 1950.
50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 6)
Order no. 5–146.
*Summary:* Explains how foods are arranged in groups called "exchange lists" and how diabetics can use such lists to select a variety of foods.
*Borrow from* PHS. *Buy from* UWF.

**By their deeds** (*Motion picture*) U. S. Bureau of Reclamation, 1957.
28 min., sd., color, 16 mm.
*Summary:* Describes the work of engineering specialists and scientists in planning, designing, building, and operating engineering structures such as dams, canals, tunnels, and power and pumping plants.
*Borrow from* BR.

# C

**The CARE story** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
*Summary:* An explanation of the purposes and operations of the Cooperative for American Remittances to Europe. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Cable splicing. Part 1: The five-tuck navy splice** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
49 fr., b&w, 35 mm.
Order no. SN 67–a.
*Summary:* Materials, tools, and methods used in replacing spliced control cable connections. Demonstrates the five-tuck navy splice.
*Borrow from* Navy. *Buy from* UWF.

**Cable splicing. Part 2: The Roebling roll splice** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
45 fr., b&w, 35 mm.
Order no. SN 67–b.
*Summary:* Steps in threading and rolling a Roebling cable splice.
*Borrow from* Navy. *Buy from* UWF.

**Cable surface wiring** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
17 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 10)
Order no. OE 377.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make an electrical entrance to a building; install nonmetallic sheathed cable; handle and install porcelain fittings; support and connect cable; and prepare and connect wires for service.
*Buy from* UWF.

**Cable surface wiring** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
48 fr., b&w, 35 mm. (Electrical work series. Wiring, no. 10)
Order no. OE 377–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Caesarean sections** (*Motion picture*) U. S. Dept. of the Army, 1953.
42 min., sd., color, 16 mm.
Order no. PMF 5226.
*Summary:* Demonstrates the surgical techniques used in performing various types of cesarean sections, including classical cesarean section, low cervical section, extraperitoneal section, and cesarean hysterectomy. For medical personnel.
*Borrow from* Army. *Buy from* UWF.

**The caissons go rolling along** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
3 min., sd., b&w, 16 mm.
*Summary:* The song of the Field Artillery, sung off-screen by Robert Weede, against appropriate scenes of artillery in action.
*Buy from* UWF.

**California and its natural resources** (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.
40 min., sd., color, 16 mm.
Order no. 226.
Revision of 1948 film with same title.
*Summary:* Presents a panorama of the scenic and mineral resources of California, with particular reference to petroleum and natural gas resources and their role in the development of power.
*Borrow from* BM. *Cleared for tv.*

**Camouflage for scouting and patrolling** (*Motion picture*) U. S. Dept. of the Army, 1957.
33 min., sd., color, 16 mm.
Order no. TF 21–2197.
*Summary:* Presents detailed instruction on camouflage and movement techniques employed by combat troops in day and night operations. Describes the materials and methods for applying camouflage to the individual soldier and his equipment and explains the importance of good camouflage discipline for survival.
*Borrow from* Army.

**Campaign reports series**
see
Appointment in Tokyo
Liberation of Rome
San Pietro
The Stilwell Road

**Camping** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
10 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series, 6, no. 5)
*Summary:* An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
*Rent from* DA film libraries. *Cleared for tv.*

**Campus on the march** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
19 min., sd., b&w, 16 mm.
*Summary:* Shows wartime activities carried on in American colleges and universities in 1942.
*Buy from* UWF.

**Can the U. N. maintain the peace?** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
29 min., sd., b&w, 16 mm.
Order no. WA-1.
*Summary:* Dr. Ralph J. Bunche discusses with a group of students from the National War College his belief in the United Nations.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Canada** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFIF 43.
*Summary:* Explains Canada's geography, history, way of life, industries, economy, government, and current role in world affairs. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Cleared for tv.*

**Cancer education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
*Summary:* Shows the operation of a mobile X-ray clinic alerting the townspeople through advance announcement, X-raying citizens, educating them toward self-examination, and checking on all possible cases of incipient cancer. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Cancer: The problem of early diagnosis** (*Motion picture*) American Cancer Society and U. S. National Cancer Institute, 1949. Produced by Audio Productions.
31 min., sd., color, 16 mm.
With booklet.
*Summary:* Surveys the incidence of five common forms of cancer—breast, cervix, stomach, lung, and large intestine—and shows in each case how early diagnosis and treatment have reduced mortality figures. For general practitioners, residents, interns, medical students.
*Borrow from* ACS *or* NCI. *Buy from* ACS.

**Canning beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
17 min., sd., b&w, 16 mm. (Farm work series. Food preservation, no. 2)
Order no. OE 455.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to prepare soup stock; preheat beef; pack hot beef in cans; seal the cans; process canned beef; and cool and dry the cans before packing.
*Buy from* UWF.

**Canning beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
49 fr., b&w, 35 mm. (Farm work series. Food preservation, no. 2)
Order no. OE 455-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Canning chicken** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
45 fr., b&w, 35 mm.
Order no. 658.
With lecture notes.
*Summary:* A demonstration of how to cut up and can poultry according to methods recommended by the Bureau of Human Nutrition and Home Economics.
*Buy from* PhotoLab.

**Canning fruits and tomatoes** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
49 double fr., b&w, 35 mm.
Order no. 660.
With lecture notes.
*Summary:* Shows equipment and methods recommended by the Bureau of Human Nutrition and Home Economics for canning peaches and tomatoes.
*Buy from* PhotoLab.

**Canning meat** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
40 fr., b&w, 35 mm
Order no. 659.
With lecture notes
*Summary:* Shows how to can meat according to methods recommended by the Bureau of Human Nutrition and Home Economics.
*Buy from* PhotoLab.

**Canning vegetables the steam-pressure way** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
32 double fr., b&w, 35 mm.
Order no. 661.
With lecture notes.
*Summary:* Shows how to can snap beans according to methods recommended by the Bureau of Human Nutrition and Home Economics.
*Buy from* PhotoLab.

**Capacitance** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1944.
31 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-a.
Supplementary filmstrip of same title also available.
*Summary:* Demonstrates electron flow through a circuit, the charging and discharging of condensers, variations of a charge on a condenser in relation to time, and the behavior of capacitance with alternating current.
*Borrow from* Navy. *Buy from* UWF.

**Capacitance** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
22 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540-aa.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Capacitive reactance** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.
29 fr., b&w, 35 mm.
Order no. SN 648.
*Summary:* Explains the basic theory of capacitive reactance and its application to radio instruments.
*Borrow from* Navy. *Buy from* UWF.

**The Cape Cod Canal story** (*Motion picture*) U. S. Army Engineers, 1959.
15 min., sd., color, 16 mm.
*Summary:* Shows operation of the Cape Cod Canal, present-day improvements made by the Corps of Engineers, and maintenance procedures such as channel dredging. Emphasizes that the canal is both a tourist attraction and an important waterway.
*Borrow from* Eng. *Cleared for tv.*

**Capital story** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Public Health Service, 1947, and U. S. Office of Education, 1949.
20 min., sd., b&w, 16 mm.
*Summary:* Dramatizes a particular activity of the U. S. Public Health Service involving the work of industrial hygienists and analytical chemists in locating the cause of pulmonary anemia among welders in a New England shipyard.
*Borrow from* PHS. *Buy from* UWF.

**Carbide cutting tools series**
see Machine shop work series. Carbide cutting tools

**Carbide woodworking tools: Care and grinding** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures.
13 min., sd., b&w, 16 mm.
Order no. MN 7977–a.
*Summary:* Shows how to store and issue carbide woodworking tools, how to handle them for transporting, and how to grind them. Discusses advantages and special characteristics of the tools.
*Borrow from* Navy. *Buy from* UWF.

**Carbide woodworking tools: How to use** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures, inc.
15 min., sd., b&w, 16 mm.
Order no. MN 7977–b.
*Summary:* Demonstrates the correct use of cemented carbide tools on the vertical spindle shaper, table saw, over-arm radial saw, straight line rip saw, trim saw, bandsaw, lathe, portable router, and multiple head moulder. Shows the method of setting up each machine and safety precautions to be observed.
*Borrow from* Navy. *Buy from* UWF.

**Carburetion** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.
37 min., sd., b&w, 16 mm. (Aircraft engines series)
Order no. TF 1–137.
*Summary:* Explains through animation the functions, parts, and variations of aircraft engine carburetors; air and gas mixtures used; variations in ratio of gas and air desirable for idling, acceleration, and maximum power; and special problems created by dives and operation at high altitudes.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The carburetor, part 1** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
53 fr., b&w, 35 mm.
Order no. SCG 154–c, formerly SG 1622–a.
*Summary:* Explains the need for vaporizing gasoline mixture before combustion takes place; and shows how the mixture is vaporized by spray, vacuum, and heat.
*Buy from* UWF.

**The carburetor, part 2** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
64 fr., b&w, 35 mm.
Order no. SCG 154–d, formerly SG 1622–b.
*Summary:* Shows and explains the parts of a carburetor and their functions.
*Buy from* UWF.

**The carburetor, part 3** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
40 fr., b&w, 35 mm.
Order no. SCG 154–e, formerly SG 1622–c.
*Summary:* Explains devices for controlling air-fuel mixture in idling, accelerating, and starting, and the purpose of the flame arrestor.
*Buy from* UWF.

**Carburetor, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1956.
25 min., sd., b&w, 16 mm.
Order no. TF 9–2273.
*Summary:* Explains the major components of a carburetor (bore bowl, and air throttle) how air pressure differential is utilized; application of the Venturi principle; metering; atomization, vaporization, and the operation of carburetor circuits (float, low speed, high speed, accelerator pump, and choke)
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Cardio pulmonary patient & air travel** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
29 min., sd., color, 16 mm.
Order no. SFP 641.
*Summary:* Explains a clinically applicable method of evaluating cardio pulmonary patients with respect to their ability to perform air travel. Based on a report by the Section of Aviation Medicine of the Committee of Physiologic Therapy Research of the American College of Chest Physicians.
*Borrow from* AF.

**The care and cleaning of photographic lenses** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
58 fr., b&w, 35 mm.
Order no. FS 1–48.
*Summary:* Stresses the importance of proper care and cleaning of lenses; shows the effects of improperly cleaned lenses; and gives precautions to be followed in using and handling of lenses.
*Borrow from* AF. *Buy from* UWF.

**Care and maintenance of tapered roller bearings** (*Motion picture*) U. S. War Dept., 1941. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm.
Order no. TF 11–257.
*Summary:* Explains how to disassemble, clean, inspect, lubricate, and reassemble tapered roller bearings.
*Borrow from* Army. *Buy from* UWF.

**Care and operation of gun cameras** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., b&w, 16 mm.
Order no. MN 4376.
*Summary:* Shows various types of gun cameras; demonstrates how to set speed-change dial, speed index ring, and lens diaphragm ring; and explains the maintenance, lubrication, and installation of a gun camera.
*Borrow from* Navy. *Buy from* UWF.

**Care and repair of farm machinery** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Missouri Extension Service, 1942.
49 fr., b&w, 35 mm.
Order no. 628.
*Summary:* Charts and diagrams showing how to repair and service different machines commonly used on farms.
*Buy from* PhotoLab.

**Care and repair of flight controls** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
68 fr., b&w, 35 mm.
Order no. SN 2795.
*Summary:* Shows step-by-step how to inspect the flight controls and determine their condition, and indicates under what circumstances it may be necessary to replace or repair them.
*Borrow from* Navy.

**Care and use of hand tools. Part 1: An introduction to hand tools** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.
11 min., sd., b&w, 1[illegible] mm.
Order no. MN [illegible] a.
*Summary:* Discusses the general principles governing the use of hand tools in the Navy; choosing the right tool for the job; using the tool correctly; using it safely; and keeping the tool in good condition
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools. Part 2: Basic layout tools** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

7 min., sd., b&w, 16 mm.

Order no. MN 7831–b.

*Summary:* Stresses the care and accurate use of metal-working layout tools on template paper and sheet metal.

*Borrow from Navy. Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools. Part 3: Hacksaws** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

5 min., sd., b&w, 16 mm.

Order no. MN 7831–c.

*Summary:* Explains the type of hacksaw blades in common use, and shows correct practice by close-ups of the cutting action of saw teeth in a variety of stock.

*Borrow from Navy. Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools. Part 4: Files and filing** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

5 min., sd., b&w, 16 mm.

Order no. MN 7831–d.

*Summary:* Shows a variety of metal-working files according to shape and tooth patern, and explains the care and use of files.

*Borrow from Navy. Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools. Part 5: Twist drills** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De-Frenes Co.

7 min., sd., b&w, 16 mm.

Order no. MN 7831–e.

*Summary:* Explains the size designation of twist drills, their cutting action, and how they are used and sharpened.

*Borrow from Navy. Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools. Part 6: Metal cutting chisels** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

5 min., sd., b&w, 16 mm.

Order no. MN 7831–f.

*Summary:* Describes the correct uses of the cold chisel, cape chisel, diamond point, and half-round chisel, and explains their cutting action and how they are sharpened.

*Borrow from Navy. Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools. Part 7: Threading taps and dies** (*Motion picture*) U. S. Dept. of the Navy, 1954.

15 min., sd., b&w, 16 mm.

Order no. MN 7831–g.

*Summary:* Shows sequences and close-ups of the operations involved in tapping and threading as the worker views them in performance of the task; explains the uses of taper, plug, and bottoming taps; and shows die adjustments for obtaining the desired fit of threads to tapped holes.

*Borrow from Navy. Buy from* UWF. *Cleared for tv.*

**Care and use of hand tools series**
see
Bars, punches, and drifts
Chisels
Hacksaws
Hammers
Pliers and screw drivers
Wrenches

**Care of a tractor** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

22 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 6)

Order no. OE 454.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Day-by-day operating care of a tractor; importance of periodic inspections; parts of the tractor, including cooling system, fuel system, and ignition system.

*Buy from* UWF.

**Care of a tractor** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

40 fr., b&w, 35 mm. (Farm work series. Equipment maintenance no. 6)

Order no. OE 454–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Care of laboratory animals** (*Filmstrip*) U. S. Public Health Service, 1953.

80 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Basic laboratory training for nonprofessional workers, no. 3)

Order no. F 106–c.

*Summary:* Explains methods for handling, housing, and feeding rabbits, mice, rats, and other laboratory animals.

*Borrow from* PHS. *Buy from* UWF.

**Care of patients by hospital corpsmen series**
see
Vital signs. Part 1: Cardinal symptoms
Vital signs. Part 2: Taking temperature, pulse, and respiration
Vital signs. Part 3: Taking blood pressure

**Care of the cardiac patient** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

33 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 419.

Supplemented by filmstrip of the same title.

With instructor's manual.

*Summary:* Nursing care given a cardiac patient, including comfort, rest, sleep, diet, feeding, elimination, cleanliness, and diversional and occupational therapy.

*Buy from* UWF.

**Care of the cardiac patient** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

77 fr., b&w, 35 mm. (Nursing series)

Order no. OE 419–fs.

Supplements motion picture of same title.

With instructor's manual.

*Buy from* UWF.

**Care of the feet** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., color, 16 mm.

Order no. MN 6143.

*Summary:* Shows by a translucent model the structure and function of the foot; explains the causes of footaches; and demonstrates the use of a shoe fitting machine.

*Borrow from Navy.*

**Care of the feet** (*Filmstrip*) U. S. Public Health Service, 1950.

49 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 10)

Order no. 5–150.

*Summary:* Explains why the diabetic patient should take care of his feet, and shows methods to be followed.

*Borrow from* PHS. *Buy from* UWF.

**Care of the newborn baby: The nurse's role in instructing the parents** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

31 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 412.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Nurse's functions and duties in teaching parents to care for new born babies; what the nurse can do in the home, clinic, and hospital; and how to hold, dress, bathe, and feed a baby.

*Buy from* UWF.

**Care of the newborn baby: The nurse's role in instructing the parents** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

93 fr., b&w, 35 mm. (Nursing series)

Order no. OE 412–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Care of the patient with diabetes mellitus: Complicated** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

23 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 418.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Nurse's role in the diagnosis and treatment of coma and insulin shock, and the role of the nurse, doctor, dietician, and psychiatrist in assisting the patient to develop a healthy mental attitude toward his condition.

*Buy from* UWF.

**Care of the patient with diabetes mellitus: Complicated** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

48 fr., b&w, 35 mm. (Nursing series)

Order no. OE 418–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Care of the patient with diabetes mellitus; Uncomplicated** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

29 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 417.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Symptoms of diabetes; how the nurse teaches the patient to administer insulin injections, regulate diet, and make the Benedict test for sugar in the urine.

*Buy from* UWF.

**Care of the patient with diabetes mellitus: Uncomplicated** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

49 fr., b&w, 35 mm. (Nursing series)

Order no. OE 417–fs.

Supplements motion picture with the same title.

With instructor's manual.

*Buy from* UWF.

Care of the sick and injured by hospital corpsmen series
see
Catheterizing the male patient
Chain of asepsis
Enemas
The enemy bacteria
Lumbar puncture
The n. p. patient
Oral medications
Surgical dressings

**Career for tomorrow** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

22 min., sd., b&w, 16 mm.

Order no. SFP 345.

*Summary:* Activities of cadets of the Civil Air Patrol during summer encampment at Selfridge, Wright-Patterson, and Langley Air Force Bases.

*Borrow from* AF. *Cleared for tv.*

**Career opportunities in ARDC** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

22 min., sd., color, 16 mm.

Order no. SFP 564.

*Summary:* Portrays a tour of Air Research and Development Command centers where military and civilian scientists, engineers, and technicians work as a team for the conquest of time and space.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Cargo critical** (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by Herbert Kerkow Productions.

14 min., sd., b&w, 16 mm.

Order no. SFP 255.

*Summary:* How the Military Air Transport Service flies sick and wounded members of the Armed Forces from remote bases throughout the world to hospitals in the United States. Shows wounded G. I.'s being flown from the battlefront in Korea to Tokyo and then to the United States.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Cargo dropping** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

20 min., sd., color, 16 mm. (Aerial freight delivery)

*Summary:* Shows how to drop equipment and supplies from an airplane by parachute to forest fire fighting crews in the field.

*Rent from* DA film libraries.

**Cargo handling gear, basic operation** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

15 min., sd., b&w, 16 mm. (Military stevedoring series, no. 2)

Order no. TF 55–1005.

*Summary:* Demonstrates the basic movements of unloading—vertical upward, horizontal, and vertical downward; how to operate winches in loading and unloading; and how to top the boom.

*Borrow from* Army. *Buy from* UWF.

**Cargo retrieving** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

20 min., sd., color, 16 mm. (Aerial freight delivery)

*Summary:* Shows techniques of retrieving from trees equipment and supplies dropped by parachute from airplanes to forest fire fighting crews.

*Rent from* DA film libraries.

**Cargoing and loading** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

20 min., sd., color, 16 mm. (Aerial freight delivery)

*Summary:* Shows how to load an airplane with equipment and supplies to be dropped by parachute to forest fire fighting crews in the field.

*Rent from* DA film libraries.

**Carolines, Marianas, Bonin Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

87 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Theatres of war series. Pacific area)

Order no. SN 1538–f.

*Summary:* Explains the military value, climate and atolls surrounding the islands, and the food, temperament, and religion of the inhabitants of the islands.

*Borrow from* Navy. *Buy from* UWF.

**Carotid triangle** (*Motion picture*) U. S. Veterans Administration, 1957.

20 min., sd., color, 16 mm. (Head and neck anatomy series, no. 2)

*Summary:* Demonstrates, on a cadaver, the boundaries of the carotid triangle and exposes the important structures contained therein.

*Borrow from* VA. *Buy from* UWF.

**Carrier action off Korea** (*Motion picture*) U. S. Dept. of the Navy, 1954

13 min., sd., b&w, 16 mm.

Order no. MN 9272.

*Summary:* Shows activities of U. S. Navy airplane carriers and planes during the Korean War.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The case method of instruction, part 1** (*Motion picture*) U. S. Dept. of the Army, 1959.

19 min., sd., b&w, 16 mm.

Order no. TF 20–2834.

*Summary:* Explains the fundamentals, value, and application of the case method of instruction used at the U. S. Army Logistics Management Center, Fort Lee, Va., to develop effective logistics managers. Describes the role of the instructor. Shows how the important issues of the case in point grow out of the discussion process, how decisions are reached as to plausible courses of action to resolve the existing problem, and the different techniques employed by the instructor to open and guide the discussion.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The case method of instruction, part 2** (*Motion picture*) U. S. Dept. of the Army, 1959.

23 min., sd., b&w, 16 mm.

Order no. TF 20–2835.

*Summary:* Shows how an instructor handles a case discussion concerning the relationship between the commanding officer of a supply depot and his executive officer. The instructor assigns the various roles of the persons involved in the case to students in order to get maximum class participation in the ensuing discussion. The important issues of the case are developed in the discussion process; the instructor reviews the facts; and the class reaches its conclusions as to the best course of action to resolve the problem.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The case method of instruction, part 3** (*Motion picture*) U. S. Dept. of the Army, 1959.

19 min., sd., b&w, 16 mm.

Order no. TF 20–2836.

*Summary:* Shows how an instructor handles a case discussion concerning a deputy chief of ordnance who must decide which of three watch programs should be adopted by the Army; throwaway watches, commercial maintenance of watches, and Army maintenance of special watches. Emphasizes the value of the case method of instruction in areas where there is no hard and fast answer to a problem, and its effectiveness in training executives to think more clearly and broadly.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The case of comrade "I"** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by Warner-Pathe.

23 min., sd., color, 16 mm.

*Summary:* A dramatized story of a communist agent who is reprimanded by his superiors for his failure to secure secret information from industrial plants and of his explanation, through flashbacks, of specific instances of successes and failures.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Castaway** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

64 min., sd., b&w, 16 mm. (Castaway series)

Order no. MN 2306–a.

*Summary:* Illustrates, through dramatization, the things a pilot shot down over the Pacific should and should not do. Covers landing in ocean, living in rubber raft, existing on a dry island, arriving on an inhabited island, lashing equipment to raft, finding food and water, getting along with natives, etc.

*Borrow from* Navy. *Buy from* UWF.

Castaway series
see
Castaway
The coconut as food and drink
Identification of South Pacific plants
Making useful articles from coconut material

**The casting of dental gold alloys: Thermal expansion technique** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1951.

16 min., sd., color, 16 mm.

*Summary:* Explains that the fabrication of accurately fitting dental castings is dependent upon proper selection and use of materials. Covers the prevention of warpage of wax patterns, selection and attachment of the sprue, investing, eliminating the wax pattern, and melting and casting the alloy. For dental personnel.

*Borrow from* NBS. *Buy from* NBS.

**Casts and molds** (*Filmstrip*) U. S. Dept. of the Army, 1955.

61 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.

Order no. SFS 19–12.

*Summary:* Explains the techniques of casting and molding impressions for use as evidence, including such points as protecting impressions from damage, photographing and measuring impressions, equipment and materials for casting, making the cast, marking it for future identification, and making negative and positive molds with moulage material. For law enforcement groups.

*Borrow from* Army. *Buy from* UWF.

**Catheterizing the male patient** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

16 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)

Order no. MN 1511–w.

*Summary:* Explains the procedure for catheterizing the male patient and suggests several means which may be used to avoid the necessity for catheterization.

*Borrow from* Navy. *Buy from* UWF.

**The cathode ray oscilloscope** (*Motion picture*) U. S. Navy Dept., 1944. Made by Jam Handy Organization. Released for public educational use by U. S. Civil Aeronautical Administration, 1946.

24 min., sd., b&w, 16 mm.

Order no. MN 2104–b.

*Summary:* Explains the purpose of the cathode ray oscilloscope, examines the general principles of operation, and demonstrates various operating checks.

*Borrow from* Navy.

**The cathode ray tube: How it works** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

15 min., sd., b&w, 16 mm.

Order no. MN 2104–a.

*Summary:* Demonstrates the construction and function of various parts of the cathode ray tube. Explains electrostatic and electromagnetic deflection and how varied currents affect the position of the spot of light on the scope.

*Borrow from* Navy. *Buy from* UWF.

**Cattle grubs or heel flies** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

33 fr., b&w, 35 mm.

Order no. 637.

With lecture notes.

*Summary:* Shows the seasonal and life cycles of the cattle grub, its attack on cattle, and control measures suitable for farm and range herds.

*Buy from* PhotoLab.

**Cavity preparation** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

11 min., sd., color, 16 mm. (Operative dentistry series, no. 2)

Order no. MN 5369–b.

*Summary:* Complete operation supplemented by animated models showing close views and cavity forms. For dental personnel.

*Borrow from* Navy. *Buy from* UWF.

**Celestial guidance for fighter pilots** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

21 min., sd., b&w, 16 mm.

Order no. TF 1–5120.

*Summary:* Describes techniques and procedures necessary for a fighter pilot to determine his exact location and reach his destination with pin-point accuracy with only the stars to guide him. Explains mathematical and measuring procedures, course line and speed line, line of position, sextant reading, and the importance of posting correct time and similar information on celestial worksheets. Shows a night celestial training mission of an F84F to illustrate preflight preparations and actual flight procedures.

*Borrow from* AF. *Buy from* UWF.

**Celestial instruments. Part 2: Aerial sextants** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

84 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1–325.

*Summary:* Explains the principle of the aerial sextant, describes the construction of the link bubble sextant (models A–11 and A–12), and tells how to operate and properly care for these models.

*Borrow from* AF.

Celestial navigation series
see
Latitude by Polaris
Time

**Celestial sphere and time. Part 2: Celestial sphere** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

53 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1–203.

*Summary:* Explains the concept of the celestial sphere and defines the terms used in celestial air navigation.

*Borrow from* AF.

**Centering, edge grinding, and beveling** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

27 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 185.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to center lenses by collimator; set up lenses for edge- and bevel-grinding in single spindle or two spindle machine; and edge- and bevel-grind lenses.

*Buy from* UWF.

**Centering, edge grinding, and beveling** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

66 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 185–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Centering small stock** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

12 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 7)

Order no. OE 39.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to locate the center of round, square, and rectangular pieces of stock, using surface gage, hermaphrodite calipers, center head and steel rule, and combination square.

*Buy from* UWF.

**Centering small stock** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

34 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 7)

Order no. OE 39–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Central meat cutting plants** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., b&w, 16 mm.

Order no. TF 10–1527.

*Summary:* Shows how careful planning, operation, and distribution by central meat cutting plants which employ production line methods, insure the maximum benefit from meat and the utilization of all edible parts.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The centrifuge** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1955.

86 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Infectious hazards of bacteriological techniques, no. 6)

Order no. F 57–f.

*Summary:* Points out some of the hazards of centrifuge operation and suggests safe operating procedures.

*Borrow from* PHS. *Buy from* UWF.

**El centro de salubridad** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Spanish version of Your health center.

*Summary:* Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.

*Buy from* UWF. *Cleared for tv.*

**A century of Army signals 1860–1960: A centennial message from the Chief Signal Officer, United States Army** (*Motion picture*) U. S. Dept. of the Army, 1960.

31 min., sd., b&w, 16 mm.

Order no. MF 11–9220.

*Summary:* Presents the history, mission, and achievements of the United States Army Signal Corps.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states** (*Motion picture*) U. S. Public Health Service, 1938.

17 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 3)

*Summary:* Shows symptoms of nystagmus in Friedriech's atoxia, pastpointing in a case of head injury scarring cerebellum, pendulous knee jerk in a case of cerebellar tumor, anterior horn disease, radial nerve paralysis, median nerve paralysis, and peripheral facial paralysis. Presents several epilepti-form seizures of various types and etiology. For medical personnel.

*Borrow from* PHS *or* VA. *Buy from* PCR.

**Cesarean hysterectomy (Porro)** (*Motion picture*) U. S. Dept. of the Army, 1952.

17 min., sd., color, 16 mm.

Order no. PMF 5204.

*Summary:* Shows the surgical procedures for a Cesarean hysterectomy, indicating anatomical landmarks throughout the operation. For medical personnel.

*Borrow from* Army.

**Cesarean section: Extraperitoneal Pfannenstiel** (*Motion picture*) U. S. Dept. of the Army, 1952.

23 min., sd., color, 16 mm.

Order no. PMF 5203.

*Summary:* Shows the surgical procedures for cesarean section extraperitoneal Pfannenstiel incision, with anatomical landmarks indicated throughout the operation.

*Borrow from* Army.

**Cesarean section: Extraperitoneal with Cherney modification** (*Motion picture*) U. S. Dept. of the Army, 1952.

23 min., sd., color, 16 mm.

Order no. PMF 5206.

*Summary:* Shows surgical procedures for the cesarean section extraperitoneal incision with Cherney modification, with anatomical landmarks indicated throughout the operation.

*Borrow from* Army.

**Cesarean section: Low cervical paramedian incision** (*Motion picture*) U. S. Dept. of the Army, 1952.

22 min., sd., color, 16 mm.

Order no. PMF 5207–b.

*Summary:* Shows surgical procedure for cesarean section low cervical paramedian incision, with anatomical landmarks indicated throughout the operation.

*Borrow from* Army.

**Chain of asepsis** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

29 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)

Order no. MN 1511–f.

*Summary:* Emphasizes the importance of sterile linens, pre-operative preparation of the patient, scrub technique, preparation of the operating room, and maintenance of the chain of asepsis.

*Borrow from* Navy. *Buy from* UWF.

**The challenge** (*Motion picture*) U. S. Marine Corps, 1957. Made by Jam Handy Organization.

27 min., sd., b&w, 16 mm.

Order no. MH 8598.

*Summary:* Describes the recruit training program in the U. S. Marine Corps.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Challenge in naval research** (*Motion picture*) U. S. Dept. of the Navy, 1957.

31 min., sd., color, 16 mm.

Order no. FN 8511.

*Summary:* Presents the career opportunities in Navy research and development laboratories of the Potomac River Naval Command.

*Borrow from* Navy. *Buy from* UWF.

**Challenge of outer space** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

61 min., sd., b&w, 16 mm.

Order no. OC 8.

*Summary:* Dr. Wernher Von Braun, director of the Guided Missile Division, Redstone Arsenal, Alabama, explains the characteristics of present-day guided missile models, how the function, the problems involved in achieving operational effectiveness, and the challenge presented by outer space in future development; and answers questions posed by his audience from the Armed Forces Staff College, Norfolk, Va.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Challenge of the North Santiam** (*Motion picture*) U. S. Army Engineers, 1955.

29 min., sd., color, 16 mm.

*Summary:* Shows construction of the Detroit Dam project on the North Santiam River in Oregon, and illustrates how the Corps of Engineers handles an engineering problem involving major construction in a confined area.

*Borrow from* Eng. *Cleared for tv.*

**Challenge: Science against cancer** (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1950. Released in the U. S. by International Film Bureau.

37 min., sd., b&w, 16 mm.

With A teaching guide to The challenge of cancer, a book by Lester Grant.

*Summary:* Traces the progress of cancer research in tissue culture, biochemistry, genetics, environmental factors, and specific therapy; follows a case of skin cancer from diagnosis to cure; and points out the qualities of an investigator.

*Borrow from* NCI. *Buy from* IFB.

Challenge: Science against cancer
see also
The fight: Science against cancer

Changes in American society and culture
see American history I, lecture 12: Changes in American society and culture

Changes occur in the American economic life
see American history I, lecture 11: Changes occur in the American economic life

**Chantournage d'une courbe renversée et d'une courbe renversée biseautée** (*Motion picture*) U. S. Office of Education, 1951.

18 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie à ruban, no 2)

Order no. OE 310–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Sawing a reverse curve and a bevel reverse curve.

*Buy from* UWF.

**The chaplain comes aboard** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

15 min., sd., color, 16 mm.

Order no. MN 9243.

*Summary:* Explains the opportunities for service which the U. S. Navy chaplaincy affords, and shows the program of instruction in character education, counselling, and worship at Navy and Marine unit installations and on shipboard.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The chaplain story** (*Motion picture*) U. S. Dept. of the Army, 1954.

15 min., sd., b&w, 16 mm.

Order no. TF 16–1943.

*Summary:* Story of the combat chaplain in action and his mission to bring men to God and God to men. Describes his responsibilities including Communion and other religious services, character guidance lectures, advice on personal problems, and help in strengthening beliefs in human values.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Chaplain U. S. A.** (*Motion picture*) U. S. Dept. of the Army, 1955.

19 min., sd., color, 16 mm.

Order no. MF 20–8419.

*Summary:* Explains the responsibilities of an Army chaplain, showing how he carries out his job as pastor, counselor, and soldier. Recruiting film for clergymen to serve in the Armed Forces.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Characteristics of hydraulic fluids** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released through U. S. Civil Aeronautics Administration, 1947.
10 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1730–f.
*Summary:* Explains and illustrates the essential qualities of hydraulic fluids. Points out that they must be able to lubricate moving parts, reduce friction, and prevent wear; must be free of water, rust, and other impurities; and must be of proper viscosity for the job.
*Borrow from* Navy.

**Le chargement et le fonctionnement d'un cubilot** (*Motion picture*) U. S. Office of Education, 1951.
14 min., sd., b&w, 16 mm. (Technique de fonderie. Fusion des métaux)
Order no. OE 437–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Charging and operating a cupola.
*Buy from* UWF.

**Charging and operating a cupola** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
14 min., sd., b&w, 16 mm. (Foundry work series. Melting practice)
Order no. OE 437.
Supplemented by filmstrip with the same title.
With instructor's manual.
*Summary:* Shows the essential parts of the cupola; explains the steps to be followed in firing, charging, and operating a cupola; and describes the cycle of operations involved in the melting process.
*Buy from* UWF.

**Charging and operating a cupola** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.
44 fr., b&w, 35 mm. (Foundry work series. Melting practice)
Order no. OE 437–fs.
Supplements motion picture with the same title.
With instructor's manual.
*Buy from* UWF.

Charging and operating a cupola
see also
Le chargement et le fonctionnement d'un cubilot

**Charging storage batteries** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 4)
Order no. TF 11–1219.
*Summary:* Explains the charging, care, and preparation of storage batteries, and constant voltage methods and modifications.
*Borrow from* Army. *Buy from* UWF.

**Charity** (*Motion picture*) U. S. Dept. of the Army, 1959.
8 min., sd., b&w, 16 mm.
Order no. TF 16–2746.
*Summary:* Dramatized story illustrating the concept of charity. Made for use by Army chaplains.
*Borrow from* Army.

**Charley Russell's friends** (*Motion picture*) U. S. Information Agency, 1959. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.
11 min., sd., color, 16 mm.
*Summary:* Through the internationally famous American cowboy artist's paintings of the West as he knew it and loved it, are revealed the man and the artist, and the people who were his friends. Included is a sequence on the dedication, attended by Montana's two Senators, of a statue of Russell which has been placed in the Capitol's Statuary Hall in Washington, D. C. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**A charm for Katy** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
14 min., sd., color, 16 mm.
Order no. SFP 358.
*Summary:* Explains through dramatized incidents the duties and experiences of an Air Force flight nurse.
*Borrow from* AF. *Cleared for tv.*

**Charting activities of the U. S. Lake Survey** (*Motion picture*) U. S. Army Engineers, 1953.
30 min., sd., color, 16 mm.
*Summary:* Shows the work of the U. S. Lake Survey in the preparation of navigation charts, including field surveys, office compilation, engraving, processing, printing, and hand correction of aids-to-navigation on the printed charts.
*Borrow from* Eng. *Cleared for tv.*

**Charts** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.
18 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–b.
*Summary:* Explains the meaning, advantages, and limitations of Mercator, gnomonic, and Lambert conformal projections.
*Borrow from* Navy. *Buy from* UWF.

**Checking and replacing a float valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
19 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 8)
Order no. OE 445.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Function of two basic types of float valves—high-side float and low-side float; how to correct troubles in both types; and replace a high-side float.
*Buy from* UWF.

**Checking and replacing a float valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
49 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 8)
Order no. OE 445–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Checking the electrical system** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 9)
Order no. OE 446.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to check and service an overheated motor in a domestic regrigerator; repair a stalled capacitor motor and an R. I. motor; and repair thermostatic motor controls.
*Buy from* UWF.

**Checking the electrical system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
47 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 9)
Order no. OE 446–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Checking the system. Part 1: General procedure** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 1)
Order no. OE 438.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to install gages in a domestic refrigerator; check operating pressures, compressor performance, and temperature range of the cooling unit; and clean the condenser and oil the motor of an open-type refrigeration unit.
*Buy from* UWF.

**Checking the system. Part 1: General procedure** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
52 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 1)
Order no. OE 438–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Checking the system. Part 2: Trouble shooting** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 2)
Order no. OE 439.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to determine causes of several common troubles such as "unit will not run," "no refrigeration, but the unit runs continuously," and "improper refrigeration of food but unit freezes ice cubes."
*Buy from* UWF.

**Checking the system. Part 2: Trouble shooting** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.
46 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 2)
Order no. OE 439–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Checking valves** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
55 fr., b&w, 35 mm.
Order no. SN 932.
*Summary:* Explains the meaning of valve clearance, and the effects of too little and too much clearance.
*Borrow from* Navy. *Buy from* UWF.

**Chemical precipitation treatment plants with two-stage digestion** (*Filmstrip*) U. S. Public Health Service, 1950.
63 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Municipal sewage treatment plants, no. 2)
Order no. 5–158.
Made principally from pictures in the slide set released under the title Chemical precipitation process (order no. 9–033.3)
*Summary:* Pictures and describes units, structures, and details of equipment used in chemical precipitation plants for sewage treatment.
*Borrow from* PHS. *Buy from* UWF.

Chemical warfare decontamination; personnel
see ABC warfare defense ashore: Chemical warfare decontamination; personnel

The chemistry of fire
see Damage control: The chemistry of fire

**Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments** (*Motion picture*) U. S. War Dept., 1943.
16 min., sd., b&w, 16 mm. (Automotive trouble shooting series, no. 11c, section 2)
Order no. TF 10–980.
*Summary:* Demonstrates steering system adjustments, including adjusting trunnion bearings, toe-ins with telescopic gage, recirculating ball-type steering gear, and steering column jacket.
*Borrow from* Army. *Cleared for tv.*

**Chick embryo techniques** (*Motion picture*) U. S. Public Health Services, 1951.
15 min., sd., b&w, 16 mm.
Order no. M 42.
*Summary:* G. John Buddingh, of Louisiana State University School of Medicine demonstrates methods of using chick embryos in virus and rickettsia laboratory procedures, including incubating and candling, drilling and opening shells, inoculating, windowing, incubation, and harvesting chorioallantois, allantoic fluid, amniotic fluid, yolk, and embryo.
*Borrow from* PHS. *Buy from* UWF.

**Chief Joseph Dam** (*Motion picture*) U. S. Army Engineers, 1956.
28 min., sd., color, 16 mm.
*Summary:* Shows construction of the preliminary facilities and the main structure of the Chief Joseph Dam project located on the Columbia River in the north central part of the State of Washington.
*Borrow from* Eng. *Cleared for tv.*

**Children in kitchens** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the Women's College and the Agricultural Experiment Station of the University of North Carolina. Released by the U. S. Dept. of Agriculture, 1958.
57 fr., b&w, 35 mm.
Order no. 718.
With lecture notes.
*Summary:* Discusses a study made on the provisions and space used for the activities of pre-school children, including supervised and independent activities, demonstrating proper toy storage, seating in eating areas, and utilization of play centers and family rooms.
*Buy from* PhotoLab.

**Children's guardian** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
40 min., sd., b&w, 16 mm.
*Summary:* Tells the story of a school janitor in Japan who, influenced by his love for children, helps bring about school reforms in his community. Prepared for use in occupied areas, particularly Japan.
*Buy from* UWF.

**Chills and fever: Why?** (*Filmstrip*) U. S. Public Health Service, 1947.
81 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5–078.
*Summary:* Explains the symptoms of vivax malaria; its cause—malaria parasites in the blood stream; its means of infection; life cycle of the parasite; and the chain of malaria transmission through the mosquito.
*Borrow from* PHS.

**China crisis** (*Motion picture*) U. S. Army Air Forces, 1946.
45 min., sd., b&w, 16 mm.
Order no. SFP 174.
*Summary:* Documentary record of the operations of the U. S. 14th Air Force in its support of the Chinese Army during the spring and summer campaigns of 1944.
*Borrow from* AF.

**Chinese reds enter war** (*Motion picture*) U. S. Dept. of Defense, 1951.
21 min., sd., b&w, 16 mm.
Order no. CB 104.
*Summary:* Military operations in Korea from October 20 to November 20, 1950.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Chisels** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
12 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 3)
Order no. TF 9–2028.
*Summary:* Shows various types of cold chisels, and demonstrates proper techniques and safety precautions to be observed in using them.
*Borrow from* Army. *Buy from* UWF.

**Chuck work. Part 1: Setting up hexagon turret tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 2)
Order no. OE 213.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use a power chuck; set up tools for internal cuts and for multiple cuts; and set up feed stops for the hexagon turret.
*Buy from* UWF.

**Chuck work. Part 1: Setting up hexagon turret tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
29 fr., b&w, 35 mm. (Machine shop work series. Operation on the turret lathe, no. 2)
Order no. OE 213–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Chuck work. Part 2: Setting up tools for combined cuts** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 3)
Order no. OE 214.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up tools for the square turret; make combined cuts; set cross-slide and carriage stops; set up the speed preselector; and perform a sequence of operations efficiently.
*Buy from* UWF.

**Chuck work. Part 2: Setting up tools for combined cuts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
27 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 3)
Order no. OE 214–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Cicada** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.
8 min., sd., b&w, 16 mm.
Short version, prepared for school use.
*Summary:* Shows and explains the life story of the cicada or 17-year locust.
*Rent from* DA film libraries. *Buy from* UWF.

**The cicada** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
19 min., sd., b&w, 16 mm.
A revision of the 1937 film with same title.
*Summary:* Explains and portrays various stages in the life cycle of the periodical cicada or 17-year locust.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The cineplastic operation** (*Motion picture*) U. S. Dept. of the Army, 1947.
16 min., sd., color, 16 mm.
Order no. PMF 5062.
*Summary:* Demonstrates how to attach cords to the selected muscle and then to the prosthetic appliance so that the patient can operate the appliance by contracting muscles in the amputation stub. For medical personnel.
*Borrow from* Army.

**Circuit testing: Signal generators** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
26 min., sd., b&w, 16 mm.
Order no. TF 11–1668.
*Summary:* Explains the theory and operation of the signal generator, including oscillating circuits, audio-oscillators, radio frequency oscillators, and frequency meters.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Circuit testing with meters and multimeters. Part 2: Practical application** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
37 min., sd., b&w, 16 mm.
Order no. TF 11–1667.
*Summary:* Demonstrates how to use meters in testing transformers, capacitors, resistors, telephone loop circuits, etc.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Circular letters** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.
53 double fr., b&w, 35 mm.
Order no. 667.
With lecture notes.
*Summary:* Designed for use by extension editors to demonstrate to extension workers that circular letters are more readable, interesting, and convincing if they are "just plain talk."
*Buy from* PhotoLab.

**Circulation in drops** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.
7 min., si., b&w, 16 mm.
*Summary:* Presents high-speed cinematography showing the results of an investigation to establish the importance of the unsteady-state portion of the vaporization time of fuel drops in hot air experimentally, and to determine whether temperature and mass histories of these vaporizing drops could be accurately predicted from the theory. Helps explain the complex phenomena that occur prior to the combustion zone of a jet-engine combustion chamber. For technical personnel, to be used with NACA Technical note 3490: Experimental and calculated temperature and mass histories of vaporizing fuel drops.
*Borrow from* NASA.

**Citizen airmen** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
15 min., sd., color, 16 mm.
Order no. SFP 324.
*Summary:* Explains the characteristics and advantages of the U. S. Air Force Reserve.
*Borrow from* AF. *Cleared for tv.*

**Citizen in arms** (*Motion picture*) U. S. Dept. of the Army, 1948.
8 min., sd., b&w, 16 mm.
Order no. OF 48.
Revision of film released in 1942 under title: Ring of steel.
*Summary:* A historical review of the part the American soldier has played in the development of the United States.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Citizen's public hall** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
32 min., sd., b&w, 16 mm.
*Summary:* Explains the origin of citizens' public halls in Japan, their development, and present activities in the field of domestic arts and skills. Prepared for use in occupied areas, particularly Japan.
*Buy from* UWF.

**City of Rome incident** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
5 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202–d.
*Summary:* Dramatizes how 37 men in a submarine met their death because of improper placement of running lights and disregard for rules of the nautical road.
*Borrow from* Navy. *Buy from* UWF.

**Civil Air Patrol** (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by American Film Producers.
20 min., sd., b&w, 16 mm.
Order no. SFP 251.
*Summary:* Explains the functions and duties of the Civil Air Patrol; shows phases of the cadet training program; and re-enacts a maneuver, "operation flood," showing the role of C. A. P. in a local emergency.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Civil assistance in Korea** (*Motion picture*) U. S. Dept. of the Army, 1954.
30 min., sd., b&w, 16 mm.
Order no. MF 19–8274.
*Summary:* Story of the U. S. Army program of civil assistance in Korea, including the supply of food, clothing, and shelter; medical and hospital care; care of orphans; establishing schools for children; and technical assistance to rehabilitate major industries.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Civil defense for farmers** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
7 min., sd., b&w, 16 mm.
*Summary:* Describes civil defense action farmers can take in case of an attack, to protect themselves, their families, and their property. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**The civil defense problem** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
30 min., sd., b&w, 16 mm.
Order no. OC 6.
*Summary:* Val Peterson, Federal Civil Defense Administrator, explains to an officers' conference the problems and activities of civil defense in the U. S., with particular reference to the post-attack and pre-attack phase. He answers questions on the purposes for which civil defense funds are allotted; whether the knowledge of atomic danger would affect a national desire to risk war; the problem of evacuating cities; civil defense under the condition of attack without warning; coordination of military and civil defense units; the feasibility of a supra authority over military and civil defense activities; and how chemical and biological warfare fit into the civil defense program.
*Borrow from* Army. *Cleared for tv.*

**Civil engineers of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1959.
18 min., sd., b&w, 16 mm.
Order no. MN 8807.
*Summary:* Portrays the various billets available to an engineer in the Civil Engineering Corps and the fields of work encountered while serving with the Corps.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Civilian guard services** (*Motion picture*) U. S. Dept. of the Army, 1959.
29 min., sd., b&w, 16 mm.
Order no. TF 19–2772.
*Summary:* Describes the basic principles of a civilian guard system employed to safeguard military installations and industrial plants against sabotage, espionage, and pilferage.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Clap a stopper on a line** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 305, formerly MG 2321–a.
Supplementary filmstrip of same title also available.
*Summary:* Explains that a stopper on a line is a rope attached to a running line to stop its motion. Demonstrates how to tie the knot.
*Buy from* UWF.

**Clap a stopper on a line** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
24 fr., b&w, 35 mm.
Order no. SCG 305, formerly SG 2321–b.
Supplements motion picture of same title.
*Summary:* Shows the proper method of clapping a stopper on a line and of loosening it.
*Buy from* UWF.

**Clasp partial denture design** (*Filmstrip*) U. S. Navy Dept., 1943. Made by Byron, inc.
75 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.
Order no. SN 2778.
*Summary:* Shows and describes in detail various types of underlying mechanical principles of clasp partial denture.
*Borrow from* Navy.

**Class of '59** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
14 min., sd., b&w, 16 mm.
Order no. SFP 383.
*Summary:* Explains the purpose and program of the U. S. Air Force Academy, the requirements for entrance, and how to apply for appointment.
*Borrow from* AF. *Cleared for tv.*

**Classification in a nutshell** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
33 double fr., color, 35 mm.
Order no. C–15.
Revision of the 1949 filmstrip of the same title.
*Summary:* Explains the classification system of the U. S. Civil Service. Produced for use by U. S. Dept. of Agriculture personnel.
*Buy from* PhotoLab.

**Clean speech** (*Motion picture*) U. S. Dept. of the Army, 1958.
6 min., sd., b&w, 16 mm.
Order no. TF 16–2521.
*Summary:* Dramatized story illustrating the concept of clean speech. Made for use by Army chaplains.
*Borrow from* Army.

**Clean water makes good health** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.
10 min., sd., b&w, 16 mm.
*Summary:* Shows a typical well in India and washing and bathing practices that pollute the water; portrays by animation the germs in the water; and demonstrates how physical changes in a community well can make it sanitary. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Cleaning equipment and containers** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Small milk plant operation)
*Summary:* Demonstrates methods for the cleaning and bactericidal treatment of cans, bottles, piping, and other equipment following the routine of flush, scrub, rinse, and sterilize. For milk handlers and sanitarians.
*Borrow from* PHS. *Buy from* UWF.

**Cleaning-in-place for pasteurization plants** (*Filmstrip*) U. S. Public Health Service, 1955.
63 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Milk sanitation series)
Order no. F 186–b.
*Summary:* Illustrates the cleaning-in-place method of cleaning milk lines by recirculating a cleaning solution throughout the piping system instead of taking down all milk pipes and connections, and cleaning them individually. For sanitary engineers, sanitarians, and dairy science students.
*Borrow from* PHS. *Buy from* UWF.

**Cleaning the airplane** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.
41 fr., b&w, 35 mm.
Order no. SN 2787.
*Summary:* Briefly indicates the importance of keeping the airplane clean; demonstrates one acceptable method of cleaning an airplane; and emphasizes the danger of using certain cleaning agents indiscriminately.
*Borrow from* Navy.

**Cleanliness brings health** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
*Summary:* Shows how personal cleanliness, clean food, and safe disposal of excreta are first steps in protection against disease microbes in the home. Compares the habits of a "clean" family with those of a "careless" family. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Clearing, grubbing, and rock work** (*Motion picture*) U. S. War Dept., 1943.

14 min., sd., b&w, 16 mm. (Military roads and runways series, no. 1)

Order no. TF 5-1169.

*Summary:* Demonstrates ways to remove small brush and undergrowth, prepare stumps for demolition, and remove large boulders.

*Borrow from* Army.

**Clergymen in uniform** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Jam Handy Organization.

13 min., sd., color, 16 mm.

Order no. MN 7329.

*Summary:* Shows the training received in a U. S. Navy chaplain school and, following this training, the duties and responsibilities of a Navy chaplain in the many places he must serve.

*Borrow from* Navy. *Cleared for tv.*

**Clinical malaria** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

26 min., sd., b&w, 16 mm.

Order no. MN 1965.

*Summary:* Shows the relationship of the life cycle of the malarial parasite in the blood stream to the patient's clinical symptoms. Illustrates symptoms, signs, and pathological body changes associated with the three common types of infection. For medical personnel.

*Borrow from* Navy. *Buy from* UWF.

**Clinical manifestations of leprosy** (*Filmstrip*) U. S. Public Health Service, 1957.

103 fr., color, 35 mm.

Order no. FS265.

Revision of 1956 filmstrips issued separately under the titles Clinical manifestations of leprosy. Part 1: Tuberculoid type, and Clinical manifestations of leprosy. Part 2: Lepromatous, indeterminate, and borderline types.

*Summary:* Clinical pictures of tuberculoid, lepromatous, indeterminate, and borderline cases of leprosy; and photomicrographs of histological specimens.

*Borrow from* PHS.

**A clinical picture of anxiety hysteria** (*Motion picture*) U. S. Veterans Administration, 1952.

26 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 6)

*Summary:* Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from anxiety hysteria. For professional personnel only.

*Borrow from* VA. *Buy from* UWF.

**A clinical picture of claustrophobia** (*Motion picture*) U. S. Veterans Administration, 1952.

31 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 5)

*Summary:* Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from claustrophobia. For professional personnel only.

*Borrow from* VA. *Buy from* UWF.

Close order drill series
see
The manual of arms
The platoon
The squad

**Cloud formations: Identification from the air** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.

25 fr., b&w, 35 mm.

Order no. FS 1-2007.

*Summary:* Describes the major types of cloud formations as seen from an airplane in flight.

*Borrow from* AF. *Buy from* UWF.

**Clouds** (*Motion picture*) U. S. Weather Bureau, 1939.

11 min., sd., b&w, 16 mm.

Short version, for school use, released under title: Clouds and weather.

*Summary:* Shows various types of clouds; explains how high and low pressure areas move across the country and how to forecast weather from the study of clouds.

*Borrow from* WB. *Buy from* UWF.

Clouds
see also
Clouds and weather

**Clouds and weather** (*Motion picture*) U. S. Weather Bureau, 1939.

6 min., sd., b&w, 16 mm.

Short version, prepared for school use, of the 1939 film released under title: Clouds.

*Summary:* Shows various types of clouds; explains low and high pressure areas and how to forecast weather from the study of clouds.

*Borrow from* WB. *Buy from* UWF.

**The clove hitch** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.

Order no. MCG 304, formerly MG 2320-a.

Supplementary filmstrip of same title also available.

*Summary:* Explains the uses of the clove hitch and shows how to tie the knot correctly.

*Buy from* UWF.

**The clove hitch** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

20 fr., b&w, 35 mm.

Order no. SCG 304, formerly SG 2320-b.

Supplements motion picture of same title.

*Summary:* Demonstrates how to tie and untie a clove hitch.

*Buy from* UWF.

**The clutch and hand brake** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 6)

Order no. OE 482.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to determine the amount of clutch pedal clearance or "lash"; correct abnormal "lash"; check clutch for slipping, grabbing, or drag; and inspect and adjust the hand brake.

*Buy from* UWF.

**The clutch and hand brake** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

36 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 6)

Order no. OE 482-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

The Coast Guard at war; part 1: Along our shores
see also
Along our shores

The Coast Guard at war; part 2: On foreign shores
see
On foreign shores

**Coast Guard cutters around the continent** (*Motion picture*) U. S. Coast Guard, 1958.

29 min., sd., color, 16 mm.

*Summary:* Presents the story of U. S. Coast Guard participation in the 1957 Arctic operations, including circumnavigation of North America. The Hydrographic Survey Unit and the USCG Cutters Storis, Bramble, and Spar are shown in the sometimes uncertain but successful battle to locate and chart the last link in the long sought "Northwest Passage."

*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Coast Guard icebreakers** (*Motion picture*) U. S. Coast Guard, 1958.

29 min., sd., color, 16 mm.

*Summary:* Provides a panoramic view of the U. S. Coast Guard's far-flung icebreaking operations in the Arctic and Antarctic, and on the Great Lakes and rivers.

*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Coccidioides immitis** (*Filmstrip*) U. S. Public Health Service, 1953.

59 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Laboratory identification of systemic fungi, no. 2)

Order no. F 116-b.

*Summary:* Gives a brief clinical picture of coccidioidomycosis and explains a laboratory technique for isolating and identifying *Coccidioides immitis.*

*Borrow from* PHS.

**Coccidioidomycosis, its epidemiologic and clinical aspects** (*Motion picture*) U. S. Public Health Service and Veterans Administration, 1956.

19 min., sd., color, 16 mm.

Order no. M 175.

*Summary:* Explains the clinical, histological, and epidemiological aspects of the fungus disease, coccidioidomycosis, including distribution and ecology of the etiologic agent, *Coccidiodes immitis;* clinical aspects of the benign and disseminated forms through X-ray films, actual cases, and animation; variations in the symptomatology; serology; and laboratory procedures for isolation and identification of the fungus.

*Borrow from* PHS *or* VA. *Buy from* UWF.

**Cockpit instrument checks** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

63 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min. (Instrument flight control series)

Order no. SN 1059-u.

*Summary:* Illustrates tests on the air speed indicator, altimeter, vertical speed indicator; the coast test; and excessive drift tests.

*Borrow from* Navy. *Buy from* UWF.

**The coconut as food and drink** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Castaway series)

Order no. SN 2306-b.

*Summary:* Demonstrates various ways to prepare coconuts as food and drink. Shows how to utilize each part of the coconut and tap the palm for sugar.

*Borrow from* Navy. *Buy from* UWF.

**The code and you** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

25 min., sd., b&w, 16 mm. (Uniform code of military justice series)

Order no. MN 7319-a.

*Summary:* Explains the major points in the Uniform code of military justice adopted by the U. S. Armed Forces.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Code of conduct. Article 1: Our heritage** (*Motion picture*) U. S. Dept. of the Army, 1960.

8 min., sd., b&w, 16 mm.

Order no. AIF 5.

*Summary:* Discusses the precepts of Article 1 of the U. S. fighting man's Code of conduct which sets forth the dedicated spirit of the American soldier in the call of duty to defend his country. Dramatizes the traditional valor of the American fighting man throughout the history of our Nation, from the Revolutionary War to the present nuclear age. Emphasizes that the American soldier, inspired by such a heritage coupled with a steadfast belief in the concepts of freedom, will always be prepared to give his life in defense of his country.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Code of conduct. Article 3: To resist** (*Motion picture*) U. S. Dept. of the Army, 1959.

8 min., sd., b&w, 16 mm.

Order no. AIF 7.

*Summary:* Portrays, in a dramatized situation, the precept of "resistance" when captured by the enemy.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Code of conduct. Article 4: Keep faith** (*Motion picture*) U. S. Dept. of the Army, 1959.

9 min., sd., b&w, 16 mm.

Order no. AIF 8.

*Summary:* Portrays, in a dramatized situation, the precept of "keeping faith" with fellow prisoners when captured by the enemy.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Code of conduct. Article 5: My responsibilities** (*Motion picture*) U. S. Dept. of the Army, 1959.

10 min., sd., b&w, 16 mm.

Order no. AIF 9.

*Summary:* Portrays, in a dramatized situation, the precept of the "responsibility of the soldier" to evade enemy interrogation harmful to his country.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Code of conduct. Article 6: Stand firm** (*Motion picture*) U. S. Dept. of the Army, 1959.

9 min., sd., b&w, 16 mm.

Order no. AIF 10.

*Summary:* Portrays, in a dramatized situation, the precept of "standing firm" in the trust of God and Country.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Code of the fighting man** (*Motion picture*) U. S. Dept. of the Army, 1959.

55 min., sd., b&w, 16 mm.

Order no. TF 21-2720.

*Summary:* Explains the moral obligations of the individual soldier in accordance with the precepts of the Code of conduct for the fighting man while in the service of his country; portrays, in dramatized situations, the six articles of the code.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Code: The U. S. fighting man's Code of conduct** (*Motion picture*) U. S. Dept. of Defense, 1959.

29 min., sd., b&w, 16 mm.

Order no. AFIF 90.

*Summary:* Presents the precepts of each of the six articles of the code by reviewing various incidents of courage and valor shown by fighting men throughout all of America's wars. Illustrates conditions involving surrender, action to take if captured, conduct as a prisoner of war, how to resist enemy interrogation, and the responsibilities of the American fighting man in accordance with the Code of conduct.

*Borrow from* Army. *Cleared for tv.*

**The cold front** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., color, 16 mm. (Aerology series)

Order no. MN 119-e.

*Summary:* Explains the formation, characteristics, and dangers of a cold front, and demonstrates how aviators can avoid the hazards of the cold front by either high or low level flight.

*Borrow from* Navy.

**Cold logic** (*Motion picture*) U. S. Marine Corps, 1955. Made by U. S. Dept. of the Navy.
11 min., sd., b&w, 16 mm.
Order no. MH 8102.
*Summary:* Shows the training of the Marine Corps in cold weather camps in the Sierra Nevada Mountains.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Cold weather seabee** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Reid H. Ray Film Industries.
13 min., sd., b&w, 16 mm.
Order no. MN 9183.
*Summary:* A photographic report of a midwinter exercise by Seabee reservists, in training with the Army, in the Rocky Mountains. Shows skiing, snowshoeing, and methods of cold weather survival.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Cold weather starting** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1943.
49 fr., b&w, 35 mm.
Order no. SN 144.
*Summary:* Describes the effect of cold weather upon aircraft engine oil, grease, fuel lines, and spark plugs.
*Borrow from* Navy. *Buy from* UWF.

**Collecting specimens for virus diagnosis** (*Filmstrip*) U. S. Public Health Service, 1956.
58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 168.
*Summary:* Shows type of specimens of value for virus diagnosis; emphasizes the importance of timely collection; demonstrates procedures for rapid preservation; suggests types of shipping containers and precautions in packing to insure against damage in transit; and emphasizes the importance of sending complete data with the specimen.
*Borrow from* PHS. *Buy from* UWF.

**Collection and preservation of evidence** (*Motion picture*) U. S. Dept. of the Army, 1949.
62 min., sd., b&w, 16 mm.
Order no. TF 19-1563.
*Summary:* Portrays an investigation of a homicide, including equipment necessary for the collection and preservation of evidence; examining details of collecting, marking, and preserving all evidence; photographic recording or sketching of the scene of the crime; evaluation of the evidence; questioning of suspects; and solution of the crime.
*Borrow from* Army. *Buy from* UWF.

**The collection and shipment of insects** (*Filmstrip*) U. S. Public Health Service, 1957.
70 fr., color., 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 256.
*Summary:* Shows methods of collecting, preserving, and shipping insects and certain other arthropods.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**The collection of adult flies** (*Motion picture*) U. S. Public Health Service, 1949.
6 min., sd., color, 16 mm. (Community fly control series)
Order no. 4-085.
Filmstrip of the same title, also available.
*Summary:* Shows three devices for adult fly collection—sweep net, for rapid surveys; fly trap, for detailed qualitative studies; and cone net, for collecting live flies over natural attractants.
*Borrow from* PHS. *Buy from* UWF.

**The collection of adult flies** (*Filmstrip*) U. S. Public Health Service, 1949.
37 fr., color, 35 mm. (Community fly control series)
Order no. 5-122.
With film guide.
Motion picture of the same title also available.
*Borrow from* PHS.

**Collection of blood specimens for serological examination** (*Filmstrip*) U. S. Public Health Service, 1952.
69 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 34.
*Summary:* Emphasizes the importance of blood specimens and shows how to collect a specimen from a patient at a clinic and at home, including preparation of equipment, techniques of venepuncture, and use of a Keidel tube.
*Borrow from* PHS. *Buy from* UWF.

**Collection of fecal specimens** (*Filmstrip*) U. S. Public Health Service, 1952.
54 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. F 81.
*Summary:* Emphasizes the importance of fecal specimens and explains the selection of a suitable container and preservative, procedures a patient should follow in collecting the specimen, preparation and use of rectal swabs, and use of two-bottle PVA fixative equipment.
*Borrow from* PHS. *Buy from* UWF.

**Collection of specimens from the eye, nose, and throat** (*Filmstrip*) U. S. Public Health Service, 1952.
45 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min.
Order no. F 105.
*Summary:* Emphasizes the importance of eye, nose and throat culture specimens; and explains the preparation of equipment for the collection of such specimens, the routine in taking specimens from selected cases, preparation of specimens for shipment to the laboratory, and interpretation of laboratory reports.
*Borrow from* PHS. *Buy from* UWF.

**Collection of sputum specimens** (*Filmstrip*) U. S. Public Health Service, 1953.
60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 82.
*Summary:* Explains the principles of and the procedures for obtaining sputum specimens by coughing, the postural method, and gastric washings.
*Borrow from* PHS. *Buy from* UWF.

**The collision diagram** (*Motion picture*) U. S. Dept. of the Army, 1956.
5 min., sd., b&w, 16 mm.
Order no. TF 19-2272.
*Summary:* Explains how a collision diagram is prepared from an accident report, including plotting information, identifying diagram, legend, identifying accidents along arrows of direction, right angle collision pattern, rear end collision pattern, and side swipe pattern.
*Borrow from* Army.

**Colombia, crossroads of the Americas** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
27 min., sd., b&w, 16 mm.
*Summary:* Geographic, social, and economic aspects of Colombia, including city and country life, industries and natural resources, customs, religion, and education.
*Buy from* UWF.

**Colonial home industries** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. National Museum, 1939.
60 fr., b&w, 35 mm.
Order no. 517.
With lecture notes.
*Summary:* Traces the development of the home textile industry to present-day handicrafts, showing some patterns designed by homemakers.
*Buy from* PhotoLab.

The colonists develop a life of their own
see American history I, lecture 3: The colonists develop a life of their own

**Color vision deficiencies: Definition and evaluation** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Audio Productions.
20 min., sd., color, 16 mm.
Order no. MN 8246.
*Summary:* Explains the importance of color discrimination; shows how individual color vision deficiencies perceive the spectrum; defines three types of color vision deficiencies and shows color confusions involved in each type. Demonstrates mild, moderate, and severe degrees of defects for one type of color vision deficiency and shows applications involved. Shows procedure for administering approved tests for color vision deficiencies, such as the pseudo-isochromatic plate test and the Farnsworth lantern test. Designed primarily for medical personnel.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Colostomy closure (End to end anastomosis)** (*Motion picture*) U. S. Dept. of the Army, 1947.
14 min., sd., color, 16 mm.
Order no. PMF 5001.
*Summary:* Demonstrates surgical repair of left upper abdominal colostomy. For medical personnel.
*Borrow from* Army.

**The Columbia** (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1949.
20 min., sd., b&w, 16 mm.
*Summary:* Explains the Federal program for the development of the Columbia River and its tributaries. Discusses the construction of multiple purpose projects, such as Grand Coulee and Bonneville Dams, for irrigation, navigation, flood control, and power development.
*Borrow from* BPA.

**Columbia frontier** (*Motion picture*) U. S. Bureau of Reclamation, 1953. Made by U. S. Dept. of Agriculture.
27 min., sd. color, 16 mm.
*Summary:* Tells the story of the development of the Columbia River reclamation project in the State of Washington. Includes an explanation of the prehistoric, ice-age diversion of the Columbia River; scenes of the construction of Grand Coulee Dam; the power and pumping plants; and the delivery of irrigation water to acres of land.
*Borrow from* BR. *Buy from* UWF. *Cleared for tv.*

**The Columbia: River of planned destiny** (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.
28 min., sd., color, 16 mm.
*Summary:* Filmed documentary covering a detailed plan for the utilization of the natural resources of the Columbia River, including power, navigation, irrigation, reclamation, and recreation. Shows what has been accomplished and discusses planned future developments. Also discusses work which has been done on the Snake and Willamette Rivers.
*Borrow from* Eng. *Cleared for tv.*

**Combat America** (*Motion picture*) U. S. Army Air Forces, 1945.
55 min., sd., color, 16 mm.
Order no. WF 104-39.
*Summary:* Dramatized story of the 351st Bomber Group of the U. S. Army Air Forces, from its training in Colorado to a mission over Germany. Portrays the crews and gunners at a base in England and on the mission. Includes combat footage.
*Borrow from* AF.

**Combat bulletin, no. 1** (*Motion picture*) U. S. Dept. of Defense, 1944.
13 min., sd., b&w, 16 mm.
Order no. CB 1.
*Contents:* Combat shots, Pacific and Italian theaters.
*Borrow from* Army.

**Combat bulletin, no. 4** (*Motion picture*) U. S. Dept. of Defense, 1944.
19 min., sd., b&w, 16 mm.
Order no. CB 4.
*Contents:* Battle for Cassino.—Japanese and jungle.—Tanks and infantry face enemy fire.
*Borrow from* Army.

**Combat bulletin, no. 6** (*Motion picture*) U. S. Dept. of Defense, 1944.
23 min., sd., b&w, 16 mm.
Order no. CB 6.
*Contents:* Beachhead operations.—A day on a European beachhead.
*Borrow from* Army.

**Combat bulletin, no. 17** (*Motion picture*) U. S. Dept. of Defense, 1944.
38 min., sd., b&w, 16 mm.
Order no. CB 17.
*Contents:* Invasion of southern France.—Operations in northern France.—Operations in Burma.—Japanese attack U. S. task force.
*Borrow from* Army.

**Combat bulletin, no. 19** (*Motion picture*) U. S. Dept. of Defense, 1944.
21 min., sd., b&w, 16 mm.
Order no. CB 19.
*Contents:* Expansion of beachhead in southern France.—Activities on Ledo and Burma Roads.—Activities at Leghorn, Italy.—Operations in northern France.
*Borrow from* Army.

**Combat bulletin, no. 24** (*Motion picture*) U. S. Dept. of Defense, 1944.
20 min., sd., b&w, 16 mm.
Order no. CB 24.
*Contents:* Channel coast activities.—Ordnance repairs.—German frontier operations.—Airborne operations.—Toulon Harbor installations.—Invasion of Palau Islands.
*Borrow from* Army.

**Combat bulletin, no. 25** (*Motion picture*) U. S. Dept. of Defense, 1944.
25 min., sd., b&w, 16 mm.
Order no. CB 25.
*Contents:* Evacuation of Kweilin.—Supply for American 1st Army.—Allies near Po Valley.—Americans rebuild Japanese base.—Invasion of Anguar.
*Borrow from* Army.

**Combat bulletin, no. 27** (*Motion picture*) U. S. Dept. of Defense, 1944.
28 min., sd., b&w, 16 mm.
Order no. CB 27.
*Contents:* Clean-up on Peleliu and Anguar.—Activities in ETO.—More Brazilian troops reach Italian front.—Preparations for Philippine invasion.—Landings on Leyte.
*Borrow from* Army.

**Combat bulletin, no. 28** (*Motion picture*) U. S. Dept. of Defense, 1944.
19 min., sd., b&w, 16 mm.
Order no. CB 28.
*Contents:* Activities in ETO.—Battle of the Netherlands.—Glider pick-up at Eindhoven.—Air Force fighter kills.—Liberation of Greece.—Activities in Burma.—Gen. Seagrave's field hospital unit.—The U. S. Navy presents.—Battle of the Philippines.
*Borrow from* Army.

**Combat bulletin, no. 30** (*Motion picture*) U. S. Dept. of Defense, 1944.
21 min., sd., b&w, 16 mm.
Order no. CB 30.
*Contents:* Activities in ETO.—RAF sinks Tirpitz.—Frontline steel production.—Bombed Belgian rail network.—Rain and snow slow Allied armies—Burma operations.—Activities in Philippines.
*Borrow from* Army.

**Combat bulletin, no. 31** (*Motion picture*) U. S. Dept. of Defense, 1944.
15 min., sd., b&w, 16 mm.
Order no. CB 31.
*Contents:* Personnel pick-up tests at Wright Field.—Wine barrel revetments.—Eighth Air Force fighter kills.—Remote control tank.—Opening of big push.—Huertgen Forest.—Aachen area.
*Borrow from* Army.

**Combat bulletin, no. 33** (*Motion picture*) U. S. Dept. of Defense, 1945.
18 min., sd., b&w, 16 mm.
Order no. CB 33.
*Contents:* School for jungle life.—Activities in ETO.—American 1st and 9th Armies drive forward on Aachen front.—To the south, U. S. and French troops of the 6th Army press forward before the Rhine plain. — Island ice box. — Advance toward Ormoc Road. — Carrier strikes in Ormoc and Manila Bays.
*Borrow from* Army.

**Combat bulletin, no. 35** (*Motion picture*) U. S. Dept. of Defense, 1945.
20 min., sd., b&w, 16 mm.
Order no. CB 35.
*Contents:* Japanese raid Saipan B–29 base.—GI's get whole blood from homefront.—"Black Widow" and "Jato."—Activities in Burma, China, and ETO.
*Borrow from* Army.

**Combat bulletin, no. 40** (*Motion picture*) U. S. Dept. of Defense, 1945.
20 min., sd., b&w, 16 mm.
Order no. CB 40.
*Contents:* Attack on Manila Harbor.—First landing on Luzon.—Action on Western front.—Alsace front.—Bomb damage viewed at captured oil plant.—Sumatra oil refineries bombed.—Para-demolition on NE Celebes.
*Borrow from* Army.

**Combat bulletin, no. 42** (*Motion picture*) U. S. Dept. of Defense, 1945.
31 min., sd., b&w, 16 mm.
Order no. CB 42.
*Contents:* Meeting of Allied leaders.—Nazi shipping attacked along Norwegian coast.—New aircrew oxygen bottle.—Activities in ETO and Burma.—Bailey assault bridge.—Army-Navy planes hit Japanese installations.—Operations in the Philippines.
*Borrow from* Army.

**Combat bulletin, no. 43** (*Motion picture*) U. S. Dept. of Defense, 1945.
23 min., sd., b&w, 16 mm.
Order no. CB 43.
*Contents:* Activities in ETO.—Trays from scrap metal.—DDT spray for jungle.—Capture of Ramree.—Modern plant services allied aircraft.—Stilwell Road convoy reaches Kumming.—Luzon operations.
*Borrow from* Army.

**Combat bulletin, no. 45** (*Motion picture*) U. S. Dept. of Defense, 1945.
30 min., sd., b&w, 16 mm.
Order no. CB 45.
*Contents:* Action on Iwo Jima.—Radio Luxembourg.—Activities in ETO.—Roosevelt meeting.—Activities in Philippines.—Manila.—Corregidor and Mariveles.
*Borrow from* Army.

**The combat dock: ABD mechanical wing wall raising** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.
21 min., sd., b&w, 16 mm. (Floating drydocks series)
Order no. MN 1794–e.
*Summary:* Explains how a wall is raised by floatation and by the mechanical method employing jacks; and demonstrates by animation the main raise, transition stage, tensile stage, and easing the wall to the deck by the mechanical method.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The combat dock: ABSD, addition of section and crane transfer** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm. (Floating drydocks series)
Order no. MN 1794–g.
*Summary:* Illustrates the method of adding a section to the ABSD (advanced base sectional dock), submerging one wing wall, and transferring the first crane.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The combat dock: Mooring the ABSD–1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.
19 min., sd., b&w, 16 mm. (Floating drydocks series)
Order no. MN 1794–f.
*Summary:* Illustrates the selection and preparation of a site for mooring a combat dock; and demonstrates the step-by-step procedure for mooring an ABSD (advanced base sectional dock)
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The combat dock: Principles of construction and operation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm. (Floating drydocks series)
Order no. MN 1794–b.
*Summary:* Shows three types of floating docks; explains the YFD (yard floating dock) type in detail; and demonstrates the procedure for pumping out water, putting a ship in drydock, and floating after repairs have been made.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The combat dock: Self docking the YFD; construction and operation of the ARD** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office [illegible] Education, 1952.
11 min., sd., b&w, 16 mm. (Floating drydocks series)
Order no. MN 1794–c.
*Summary:* Explains various types of yard floating docks, both timber and steel; and, by animation, shows the construction and sectional make-up of the 300-ton ARD (auxiliary repair dock)
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Combat docking** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1952.
13 min., sd., b&w, 16 mm. (Floating drydocks series)
Order no. MN 1794–a.
*Summary:* Stresses the importance of floating drydocks; shows an advance base sectional dock, an auxiliary repair dock, and a yard floating dock; and demonstrates how a ship is drawn in, inspected, and repaired.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Combat fatigue series
see
Assignment home
Insomnia
Irritability
Psychosomatic disorders

**Combat firing with hand guns** (*Motion picture*) U. S. War Dept., 1944.
17 min., sd., b&w, 16 mm.
Order no. FB 19–152.
*Summary:* Illustrates correct techniques in the use of hand guns, the three basic firing positions—prone, kneeling, and standing—and the employment of hand weapons at close quarters.
*Borrow from* Army.

**Combat in deep snow and extreme cold** (*Motion picture*) U. S. Dept. of the Army, 1950.
21 min., sd., b&w, 16 mm.
Order no. TF 7–1550.
*Summary:* Demonstrates the technique of combat under conditions of deep snow and extreme cold in forested areas of the Arctic. Shows an infantry rifle company on a two-day combat mission in enemy territory, and describes survival methods.
*Borrow from* Army. *Cleared for tv.*

**Combat psychiatry: The battalion medical officer** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.
36 min., sd., b&w, 16 mm.
Order no. MN 7499–a.
*Summary:* Portrays the general run-of-the-mill psychiatric casualties encountered in combat at the battalion level and how such casualties are properly managed at this level by the medical officer. Describes the basic and fundamental principles of psychiatry for indoctrinating the medical officer for combat assignment.
*Borrow from* Navy. *Buy from* UWF.

**Combat psychiatry: The division psychiatrist** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.
29 min., sd., b&w, 16 mm.
Order no. MN 7499–b.
*Summary:* Depicts the medical battalion psychiatrist (division psychiatrist) and explains the general principles and practices of combat psychiatry. Points out that cooperation and understanding by the psychiatrist and hospital corps personnel are essential to prevent needless loss of manpower.
*Borrow from* Navy. *Buy from* UWF.

**Combat recognition** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 1–5115.
*Summary:* Describes recognition features of the following USAF jet bombers: the B–57, an American version of the British Canberra; the B–66, a twin jet tactical bomber; the B–47 Stratojet; and the B–52 intercontinental Stratofortress.
*Borrow from* AF.

**Combative measures: Judo** (*Motion picture*) U. S. Dept. of the Aid Force, 1955.
21 motion pictures, sd., b&w, 16 mm.
Order no. TF 1–4981.
*Summary:* **1.** Introduction for combat crews. 18 min.—**2.** Introduction for air police. 10 min.—**3a.** Principles and body movement. 11 min.—**3b.** Falling way (ukemi) 6 min.—**3c.** Shoulder wheel (kata-guruma) 3 min.—**3d.** Shoulder throw (seoinage) 3 min.—**3e.** Body drop (tai-otoshi) 3 min.—**3f.** Hip throw (o-goshi) 3 min.—**3g.** Front foot block (sasae-tsurikomi-sashi) 3 min.—**3h.** Double foot sweep (okuri-ashi-barai) 3 min. — **3j.** Outside leg sweep (o-soto-gari) 3 min.—**3k.** Lateral corner drop (modified sumi-gaeshi) 3 min.—**3l.** Holding techniques. 3 min.—**3m.** Choking techniques. 4 min.—**3n.** Choking techniques. 4 min.—**3o.** Joint locking techniques. 6 min.—**4a.** Parrying and striking. 8 min.—**4b.** Standing and ground maneuvering. 5 min.—**4c.** Disarming and use of weapons. 6 min.—**5a.** Advanced throwing. 5 min.—**5b.** Combinations and counter-throwing. 10 min.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Combined resection of tongue and floor of mouth with radical neck dissection** (*Motion picture*) U. S. Veterans Administration, 1953.
34 min., sd., color, 16 mm.
*Summary:* Demonstrates a technique of radical surgical extirpation for primary intra-oral cancer, incorporating the concepts of removal of the pathways of lymphatic metastases in continuity. Shows radical neck dissection, resection of the mandible, and a method of primary reconstruction of the mouth and jaw. For medical personnel.
*Borrow from* VA. *Buy from* UWF.

**Combustion control** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
32 min., sd., b&w, 16 mm. (Fireroom operation series)
Order no. MN 2356–e.
*Summary:* Explains the apparatus and personnel required in combustion control of naval marine boilers; and shows the essential elements of an atomizer and its spraying.
*Borrow from* Navy.

**Comeback** (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Pictorial Research; revised by Unifilms.
26 min., sd., color, 16 mm.
Revision of 1946 film with same title.
*Summary:* Shows in detail the rehabilitation of a double-leg amputee and, in lesser detail, the rehabilitation of a psychiatric patient, a tubercular individual, and others, into steady and self-supporting employment.
*Borrow from* OVR. *Cleared for tv.*

**Comida abundante para todos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Spanish version of Extra feeding pays.
*Summary:* Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.
*Buy from* UWF. *Cleared for tv.*

**Command of the seas: Arctic** (*Motion picture*) U. S. Dept. of the Navy, 1952.
17 min., sd., color, 16 mm.
Order no. MN 7459–a.
*Summary:* Explains the functions and responsibilities of the U. S. Navy in the Arctic Ocean; portrays the operations of Navy icebreakers, cargo vessels, submarines, and landing craft; and describes base construction, cold-weather equipment, and wanigan trains.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Command of the seas: Atlantic** (*Motion picture*) U. S. Dept. of the Navy, 1952.
17 min., sd., color, 16 mm.
Order no. MN 7459–c.
*Summary:* Explains the functions and operations of the U. S. Navy in the Atlantic Ocean and Mediterranean Sea, including portrayals of visits of the fleet to various European and Mediterranean ports, naval exercises, anti-submarine warfare, and cooperation with the navies of other countries.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Command of the seas: Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1952.
17 min., sd., color, 16 mm.
Order no. MN 7459–b.
*Summary:* Explains the functions and responsibilities of the U. S. Navy in the Pacific including its operations in U. S. insular possessions and UN protectorates and its activities and accomplishments in the Korean War.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Command of the seas: United States** (*Motion picture*) U. S. Dept. of the Navy, 1952.
17 min., sd., color, 16 mm.
Order no. MN 7459–d.
*Summary:* Explains the function of the U. S. Navy as that of maintaining command of the seas, and shows the mothballing and demothballing of the fleet, the Navy recruitment program, launching of new ships and submarines, developments in naval research, and the firing of a Viking rocket from a Navy guided missile ship.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Commencement** (*Motion picture*) President's Committee on Government Contracts, 1956.
22 min., sd., b&w, 16 mm.
*Summary:* Story of a manufacturer who learns from his son, employees, and associates, the results in the community of his failure to establish a clear non-discrimination employment policy.
*Borrow from* PCGC. *Buy from* UWF. *Cleared for tv.*

Commercial systems series
see Refrigeration service series. Commercial systems

**The common defense** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
25 min., sd., b&w, 16 mm.
Order no. AFSM 568.
*Summary:* Reviews the highlights of defense activity during 1958, including missile and satellite programs, jet aircraft developments, IGY Deep Freeze Operation in the Antarctica, submarine expeditions under the North Pole, United States military assistance in Lebanon and Formosa, reorganization of the Department of Defense, and the organization and tactical concept of the Pentomic Army.
*Borrow from* Army. *Cleared for tv.*

**Common sense** (*Motion picture*) U. S. Dept. of the Army, 1958.
8 min., sd., b&w, 16 mm.
Order no. TF 16–2520.
*Summary:* Dramatized story illustrating the concept of common sense. Made for use by Army chaplains.
*Borrow from* Army.

**Common sense afloat** (*Motion picture*) U. S. Coast Guard, 1956.

29 min., sd., color, 16 mm.

*Summary:* Shows and explains common-sense practices in the operation and maintenance of outboard motor boats.

*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Communication center procedure. Part 1: Outgoing messages** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., b&w, 16 mm.

Order no. TF 11–1733.

*Summary:* Illustrates the proper procedure for handling outgoing messages at an army communication center. Emphasizes the handling of classified messages and use of the message center log.

*Borrow from* Army. *Buy from* UWF.

**Communication center procedure. Part 2: Incoming messages** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

7 min., sd., b&w, 16 mm.

Order no. TF 11–1734.

*Summary:* Describes the operations of a communication center at corps and lower headquarters. Emphasizes the care necessary to insure the efficiency of message handling.

*Borrow from* Army. *Buy from* UWF.

**Communism** (*Motion picture*) U. S. Dept. of Defense. Released for public education use through U. S. Office of Education, 1950.

32 min., sd., b&w, 16 mm.

Order no. AFIF 5.

*Summary:* Presents a brief history of Communism; its totalitarian characteristics; and how communists operate in the United States.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Communist blueprint for conquest** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

33 min., sd., b&w, 16 mm.

Order no. AFIF 76.

*Summary:* Explains the methods and techniques used by the Communists to seize power in a country. Shows how the party gains control of local and central governments of a country; how it moves against other political parties, land owners, big business, the middle class, professional groups, workers, and churches; and describes the party attitude towards the individual in relation to the state.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Communist objectives in the Far East** (*Motion picture*) U. S. Dept. of Defense, 1956.

31 min., sd., b&w, 16 mm.

Order no. OC 7.

*Summary:* Walter S. Robertson, as Asst. Secretary of State for Far Eastern Affairs, explains to an officers' conference the communist objectives in Asia, and U. S. concern in curbing the expansion of communist power in that area; and answers questions concerning the chances of an attack by Red China on Formosa, the future of Free China in the event of the death of Chiang Kai-shek, strength of the communist movement in Japan, prospects for improvement of relations between Korea and Japan, and the future of the Malayan pact.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The communist weapon of allure** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

36 min., sd., b&w, 16 mm.

Order no. AFIF 75.

*Summary:* Dr. Warren B. Walsh, professor of Russian history at the Maxwell Graduate School of Citizenship and Public Affairs, Syracuse University, explains the methods used by the Communists to gain converts.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**A community advisory service** (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

27 min., sd., b&w, 16 mm

*Summary:* Shows the organization and operation of a community advisory service in Bridgeport, Conn., and the values of such a service to the individuals of the community. Prepared for overseas use.

*Buy from* UWF.

**Community canning** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Farm work series. Food preservation, no. 1)

Order no. OE 198.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to wash, snap, grade, blanch, and season beans; prepare the cans, then pack and exhaust them; label and seal the cans; use a pressure cooker, or retort; and cool, dry, and store the cans.

*Buy from* UWF.

**Community canning** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

20 fr., b&w, 35 mm. (Farm work series. Food preservation, no. 1)

Order no. OE 198–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Community Chest** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by RKO Pathé. Released for public educational use through U. S. Office of Education, 1950.

19 min., sd., b&w, 16 mm.

*Summary:* A sociology student reports how individual welfare agencies in Yonkers, N. Y., organized under the Community Chest, work to solve the problems of rehabilitation, welfare, and relief. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Community fly control operations** (*Motion picture*) U. S. Public Health Service, 1952.

12 min., sd., b&w, 16 mm. (Community fly control series)

Order no. 4–094.

*Summary:* Explains the steps taken in a fly control project in a typical town, involving gaining the support of the people (education); eliminating fly breeding places (sanitation); and applying spray materials (chemical control)

*Borrow from* PHS. *Buy from* UWF.

Community fly control series
see
Biology of domestic flies
The collection of adult flies
Community fly control operations
Fly control through basic sanitation
Fly density surveys by the grill method
Space spraying
Spraying equipment and procedures. Part 1: Residual spraying

**Community forests, a local asset** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

79 fr. b&w, 35 mm.

Order no. 604.

With lecture notes.

*Summary:* Shows the values of a community forest including profit, employment, and recreation.

*Buy from* PhotoLab.

**Community vector control demonstration program** (*Motion picture*) U. S. Public Health Service, 1959.

24 min., sd., color, 16 mm.

Order no. M 283.

*Summary:* Shows how a community vector control program is organized and carried out; describes what legislation is necessary, and explains how to obtain community cooperation. Presents actual demonstration programs in four different States.

*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Como cuidar da criança** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Saúde para as Américas)

Portuguese version of Infant care.

*Summary:* Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Como cuidar da terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Portuguese version of The land must eat.

*Summary* Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.

*Buy from* UWF. *Cleared for tv.*

**Como exterminar os insectos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

7 min., sd., color, 16 mm.

Portuguese version of Insect enemies.

*Summary:* Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

*Buy from* UWF. *Cleared for tv.*

**Compass compensation: Tank lighter** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public eduactional use through U. S. Office of Education, 1948.

63 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 30 min.

Order no. SN 1366.

*Summary:* Points out the parts of a pelorus; explains where to locate it on a ship; and shows how to check for east and west deviation.

*Borrow from* Navy. *Buy from* UWF.

**A compass for agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

22 min., sd., color, 16 mm.

Revision of 1952 film of same title.

*Summary:* Describes the origin of crop reporting work in American agriculture, Federal-State cooperation in collecting and compiling the statistics for the Crop report, the work of the Crop Reporting Service, and how the information is used to benefit the farmer.

*Rent from* DA film libraries. *Cleared for tv.*

**The compass system** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

16 min., sd., b&w, 16 mm. (The gyro compass series)

Order no. MN 1792–e.

*Summary:* Explains and demonstrates the five major assemblies of a Sperry Mark 14 gyro compass (sensitive, phantom, and spider elements, mercury ballistic, and binnacle); and shows the operation of the follow-up and repeater systems.

*Borrow from* Navy. *Buy from* UWF.

**Compensating the compass** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

32 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–d, formerly SG 3883–d.

*Summary:* Explains the functions, purpose, and compensation of the compass as an instrument of navigation.

*Buy from* UWF.

**Complete dentures: Alginate impressions** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational-use through U. S. Office of Education, 1952.

17 min., sd., color, 16 mm.

Order no. MN 6720.

*Summary:* Illustrates the technique for non-pressure full denture impressions using alginate (irreversible hydrocolloid) in loose fitting, perforated baseplate tray.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Complete dentures: Remount procedures** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Byron, inc.

19 min., sd., color, 16 mm.

Order no. MN 9376.

*Summary:* Illustrates methods for correction of occlusal errors that have occurred in the processing phases of complete denture fabrication. Demonstrates procedures for laboratory remount and patient remount.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Complicated exodontia, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

17 min., sd., color, 16 mm.

Order no. MN 6722.

*Summary:* Deals with the fundamental procedures involved in the successful removal of all teeth; gives particular attention to those teeth which require more than the use of forceps alone for extraction; and demonstrates the basic principles underlying a proposed plan for treatment.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Compression molding. Part 1: Preparing the charge and loading the mold** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

11 min., sd., b&w, 16 mm. (Plastics series, no. 3)

Order no. OE 468.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up the press; weigh the charge; preheat the charge; clean and lubricate the mold; and load the mold.

*Buy from* UWF.

**Compression molding. Part 1: Preparing the charge and loading the mold** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

39 fr., b&w, 35 mm. (Plastics series, no. 3)

Order no. OE 468–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Compression molding. Part 2: Molding a simple part** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

10 min., sd., b&w, 16 mm. (Plastics series, no. 4)

Order no. OE 469.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to close, breathe, and open the mold; prevent pieces from warping; and coordinate steps of the molding cycle.

*Buy from* UWF.

**Compression molding. Part 2: Molding a simple part** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

42 fr., b&w, 35 mm. (Plastics series, no. 4)

Order no. OE 469–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Concept for victory: A message to the personnel of the U. S. Army by General M. B. Ridgway** (*Motion picture*) U. S. Dept. of the Army, 1955.

16 min., sd., b&w, 16 mm.

Order no. MF 45–8568.

*Summary:* General M. B. Ridgway, Army Chief of Staff, stresses the importance of the ground fighting man, discusses the role of the Army in war, and explains that victory over enemy ground forces can be achieved only by opposing ground forces.

*Borrow from* Army. *Cleared for tv.*

**Concrete ditching for malaria control** (*Motion picture*) U. S. Public Health Service, 1949.

7 min., sd., color, 16 mm. (Malaria control series)

Order no. 4–046.

*Summary:* Shows how to construct a permanent concrete drainage system to eliminate breeding areas for malaria-carrying mosquitoes, improve community appearance, and create higher property values, greater farming efficiency, higher income, and standards of living.

*Borrow from* PHS.

**Condensation trails—Contrails** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

48 fr., b&w, 35 mm.

Order no. FS 1–2524.

*Summary:* Explains three types of contrails, their nature and causes, how to anticipate and to avoid them, and their tactical uses in warfare.

*Borrow from* AF. *Buy from* UWF.

**Conelrad alert** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

12 min., sd., b&w, 16 mm.

Order no. SFP 320.

*Summary:* Explains the reasons for and describes the operations of conelrad alert in the event of an enemy attack.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Confection d'un noyau simple** (*Motion picture*) U. S. Office of Education, 1954.

15 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 2)

Order no. OE 424–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Making a simple core.

*Buy from* UWF.

**Connecting and adjusting controls** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 260.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to inspect and adjust the elevator and rudder control cables; line up and safety a turnbuckle; remove and replace a damaged aileron control cable; and adjust it for proper aileron travel.

*Buy from* UWF.

**Connecting and adjusting controls** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

43 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)

Order no. OE 260–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Connecting rods, crankshafts, bearings, and crankcases** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

43 fr., b&w, 35 mm.

Order no. FS 1–35.

*Summary:* Describes the purpose, essential parts, and means of disassembling and assembling connecting rods, crankshafts, bearings, and crankcases in an airplane.

*Borrow from* AF. *Buy from* UWF.

**Conselhos para as mães** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

11 min., sd., color, 16 mm.

Portuguese version of Wise parents, healthy babies.

*Summary:* Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

*Buy from* UWF. *Cleared for tv.*

**Conservação do solo** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Portuguese version of Your soil, your future.

*Summary:* Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

*Buy from* UWF. *Cleared for tv.*

**Conservación de la tierra fértil** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Spanish version of Your soil, your future.

*Summary:* Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

*Buy from* UWF. *Cleared for tv.*

**Conservation planning for national security** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Audio Productions.

20 min., sd., color, 16 mm.

Order no. MN 8209.

*Summary:* Presents the problem of conserving the non-replenishable resources of the country from a total defense point of view. Discusses use of alternates, extenders, protective maintenance, and effective salvage and reclamation programs; the importance of administrative action to implement research and development and to offset loss of time; conservation planning to make full use of manpower and creative ideas; and some unsolved problems of conservation.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Conservation reserve of the soil bank** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

6 min., sd., color, 16 mm.

*Summary:* Describes the objectives of the conservation reserve of the soil bank and shows some of the conservation uses of cropland placed in this agricultural program.

*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Conservation vistas** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

14 min., sd., color, 16 mm.

*Summary:* Describes classroom and outdoor activities which add interest to the teaching of conservation, from those found in everyday environments to the more ambitious programs of school forests and school conservation camps. Designed for teachers, school administrators, and school boards.

*Rent from* DA film libraries. *Buy from* DA.

**Consolidated messing operations** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

13 min., sd., b&w, 16 mm.

Order no. TF 10–1583.

*Summary:* Shows how a consolidated mess is operated, and how the mess steward and the managing personnel plan the operation, supervise, and delegate jobs to various mess personnel.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Consonants

see Articulatory movements in the production of English speech sounds. Part 1: Consonants

**Constructing a farm pond** (*Filmstrip*) U. S. Public Health Service in cooperation with Alabama Departments of Conservation and Health, Alabama Polytechnic Institute, and U. S. Soil Conservation Service, 1949.

78 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. 5–136.

*Summary:* Demonstrates the construction of a farm pond in accordance with principles explained by the county agent and county sanitation officer.

*Borrow from* PHS. *Buy from* UWF.

**Constructing a sanitary pit privy** (*Motion picture*) U. S. Public Health Service, 1949.

15 min., sd., color, 16 mm. (Environmental sanitation series)

Order no. 4–083.

With film guide.

Filmstrip of the same title also available.

*Summary:* Demonstrates the public health values of the sanitary pit privy, the principles of sanitation involved in its construction, and construction procedures.

*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Constructing a sanitary pit privy** (*Filmstrip*) U. S. Public Health Service, 1949.

70 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Environmental sanitation series)

Order no. 5–119.

With film guide.

Motion picture of the same title also available.

*Borrow from* PHS. *Buy from* UWF.

**Constructing a typical household system** (*Motion picture*) U. S. Public Health Service, 1952.
14 min., sd., b&w, 16 mm. (Individual sewage disposal systems)
Order no. M 50–c.
*Summary:* Explains the principles and procedures involved in the construction and maintenance of a septic tank and subsurface disposal system, including site inspection and layout, installation of the septic tank, constructing the tile drainage field, sanitary inspection, and yearly maintenance.
*Borrow from* PHS. *Buy from* UWF.

**Construction for defense** (*Motion picture*) U. S. Army Engineers, 1952.
15 min., sd., color, 16 mm.
*Summary:* Illustrates military construction being performed by the Corps of Engineers for the Army and Air Force in the Southwestern United States, and for the Air Force in Africa and Greenland.
*Borrow from* Eng. *Cleared for tv.*

**The construction of a portland-cement concrete airfield pavement** (*Motion picture*) U. S. Army Engineers, 1955.
50 min., sd., color, 16 mm.
*Summary:* The general story of the construction of an airfield pavement, including the duties of the inspector in the field and in the laboratory.
*Borrow from* Eng. *Cleared for tv.*

**Construction of Arctic igloo** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
Order no. FB 20–220.
Released also under the title Arctic igloo (order no. AFSR 95)
*Summary:* Demonstrates the construction of a snow house or igloo; and explains its advantages over a tent for Arctic shelter.
*Borrow from* Army. *Buy from* UWF.

Construction of Arctic igloo
see also
Arctic igloo

**The construction of diesel engines** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
17 min., sd., b&w, 16 mm.
Order no. MN 43.
*Summary:* Shows the general structure of several types of diesel engines and the different frame types, cylinder parts, pistons, piston rings, connecting rods, crankshafts, bearings, camshafts, and rocker assemblies.
*Borrow from* Navy. *Buy from* UWF.

**Construction of Little Rock Air Force Base** (*Motion picture*) U. S. Army Engineers, 1957.
14 min., sd., color, 16 mm.
*Summary:* Depicts the construction of Little Rock Air Force Base from land procurement to the operational phase, showing principally earth moving, as well as runway and apron construction.
*Borrow from* Eng. *Cleared for tv.*

**Construction of pre-stressed concrete tanks** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
36 min., sd., b&w, 16 mm.
Order no. MN 2620.
*Summary:* Gives instructions for building a concrete storage tank, from packing of the ground to the application of a sealing coat to the inside of the completed tank.
*Borrow from* Navy. *Buy from* UWF.

**Construction of screw lock sectional splint** (*Motion picture*) U. S. Dept. of the Army, 1947.
17 min., sd., color, 16 mm.
Order no. PMF 5073.
*Summary:* Demonstrates a case of facial injury which includes a fracture of the mandible, comminuted and compound, requiring additional bone to restore the contour of the mandible. Various phases of the fixation, grafting, and replacement are shown. For medical and dental personnel.
*Borrow from* Army.

**Construction of 10,000 barrel bolted steel tanks. Part 1: Foundation, bottom, and sidewalls** (*Motion picture*) U. S. Dept. of the Army, 1954.
16 min., sd., b&w, 16 mm.
Order no. TF 5–1817.
*Summary:* Shows the construction of the foundation, bottom, and sidewalls of the large steel tanks used by the U. S. Army to store and dispense petroleum products in the field.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Construction of 10,000 barrel bolted steel tanks. Part 2: Center support, deck, valves, and vents** (*Motion picture*) U. S. Dept. of the Army, 1954.
9 min., sd., b&w, 16 mm.
Order no. TF 5–1898.
*Summary:* Shows the erection of the center section, assembly of deck plates and rafters, and installation of valves and vents in the large steel tanks used by the U. S. Army to store and dispense petroleum products in the field.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Construction of the Argonne research reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1956.
12 min., sd., b&w, 16 mm.
*Summary:* Shows some of the important stages in the construction of the Argonne research reactor, a heavy water reactor, operating at a normal power level of 1,000 kw. Illustrates many important design features by showing various stages in the construction of this reactor.
*Borrow from* AEC. *Cleared for tv.*

**Construction of the experimental boiling water reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1957.
10 min., sd., b&w, 16 mm.
*Summary:* Describes high lights of construction of the experimental boiling water reactor (EBWR) a nuclear power plant of 5,000 kw. electrical capacity and the first of the reactors in the AEC's nuclear power development program to be completed. Shows erection of the steel shell for the power plant, special concrete work, and installation of equipment, including the reactor pressure vessel.
*Borrow from* AEC. *Buy from* Byron. *Cleared for tv.*

**Construction of the Little Rock Veterans Administration Hospital, part 1** (*Motion picture*) U. S. Army Engineers, 1951.
43 min., sd., color, 16 mm.
*Summary:* Deals with various phases of the construction of the hospital from a survey of the site to completion of the penthouse, including the use of bar joists and pan forms and the damp-proofing of concrete.
*Borrow from* Eng. *Cleared for tv.*

**Construction of the Little Rock Veterans Administration Hospital, part 2** (*Motion picture*) U. S. Army Engineers, 1951.
30 min., sd., color, 16 mm.
*Summary:* Shows the interior of the completed hospital and explains the operation of various units of the hospital.
*Borrow from* Eng. *Cleared for tv.*

Consumer education shorts series
see
Ahead of 'em all
An apple a day
Bite 'em and C
Fourteen carrots
Good things come in pears
It's a peach
It's a snap
Juiced for you
Onions and more onions
Potatoes are appealing
Prunes are swell
Queen of the vegetables

**Contour face milling** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
17 min., sd. b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 3)
Order no. OE 227.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up the job; align workpiece square with spindle; make a rough-facing cut; and a finish-facing cut.
*Buy from* UWF.

**Contour face milling** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
30 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 3)
Order no. OE 227–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Contract negotiation techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
30 min., sd., b&w, 16 mm.
Order no. TF 1–5223.
*Summary:* Demonstrates both correct and incorrect techniques for conducting contract negotiations with representatives of industry, and stresses the importance of the procurement team's need for advance study and data.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Control cables series
see Aircraft work series. Control cables

**Control of hemorrhage** (*Motion picture*) U. S. Dept. of the Army, 1958.
20 min., sd., color, 16 mm.
Order no. TF 8–2539.
*Summary:* Discusses the major types of hemorrhage and the principles and methods of hemorrhage control. Reviews the anatomy and physiology of the circulatory system and describes symptoms of external and internal arterial and venous bleeding.
*Borrow from* Army.

**Control of louse-borne diseases** (*Motion picture*) U. S. War Dept., 1946.
15 min., sd., b&w, 16 mm.
Order no. TF 8–1467.
*Summary:* Shows the control of louse-borne diseases through personal and barracks sanitation and the use of DDT and other insecticides.
*Borrow from* Army.

**Control of mosquito-borne diseases** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., b&w, 16 mm.
Order no. TF 8–1495.
*Summary:* Shows the efforts and cooperation of Army, Navy, and Air Force research personnel, laboratory technicians, and doctors to control and eradicate malaria, dengue, brain fever, and filariasis.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Convalescent care and rehabilitation of patients with injury to the spinal cord** (*Motion picture*) U. S. War Dept., 1946.
41 min., sd., color, 16 mm.
Order no. PMF 5015.
*Summary:* Pictures diagnostic, surgical, nursing, and physical medicine techniques used in the care of convalescent patients with injuries to the spinal cord. For medical personnel.
*Borrow from* Army.

Conventional signs
see
Topographic symbols

**Conversion from black oil to Diesel fuel: Navy improved method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
24 min., sd., b&w, 16 mm. (Navy tank cleaning procedures series)
Order no. MN 6689–b.
*Summary:* Procedures to be followed in conversion of a tanker from black oil to Diesel fuel cargo.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Conversion from black oil to gasoline: Navy chemical method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
27 min., sd., b&w, 16 mm. (Navy tank cleaning procedures series)
Order no. MN 6689–c.
*Summary:* Shows how a complete conversion from black oil to gasoline cargo involves maintenance tank cleaning by the Butterworth method, the Navy improved method, and the Navy chemical method. Gives detailed instructions concerning the technical method.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Cooking fresh vegetables for the school lunch** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
27 double fr., color, 35 mm.
Order no. C–23.
With lecture notes.
*Summary:* Shows methods of cooking vegetables by boiling, steaming, and backing. Prepared for the training of school lunch workers.
*Buy from* PhotoLab.

**Cooking good meals** (*Filmstrip*) U. S. Public Health Service, 1950.
48 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 8)
Order no. 5–148.
*Summary:* Demonstrates various ways of preparing foods for the diabetic and his family.
*Borrow from* PHS. *Buy from* UWF.

**Cooking poultry, older birds** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
38 fr., b&w, 35 mm.
Order no. 561.
With lecture notes.
*Summary:* Shows steps in braising, casseroling, steaming, and stewing older birds; gives suggestions for typical dishes.
*Buy from* PhotoLab.

**Cooking poultry, young birds** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
51 fr., b&w, 35 mm.
Order no. 560.
With lecture notes.
*Summary:* Shows steps in broiling, pan frying, French frying, and roasting young birds.
*Buy from* PhotoLab.

**Cooling system** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
58 fr., b&w, 35 mm.
Order no. SCG 154–1, formerly SG 1763.
*Summary:* Explains the use of water jackets and a circulating pump to cool a modern engine.
*Buy from* UWF.

**The cooling system and fuel system** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
22 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 4)
Order no. OE 464.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to check for leaks in the cooling system; check the fan and water pump; mechanical operation of the carburetor; filters and vents; fuel pump; and leakage in the fuel system.
*Buy from* UWF.

**The cooling system and fuel system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
44 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 4)
Order no. OE 464–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Cooper Bessemer diesel engine fuel system** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Terrytoon. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm.
Order no. MN 46–b.
*Summary:* Covers the fuel injection system, examination of the fuel pump, fuel delivery and pressure, and functioning of the fuel injection nozzles.
*Borrow from* Navy. *Buy from* UWF.

Cooper Bessemer diesel engine maintenance series
see
Bearing disassembly and inspection
Bearing reassembly
Disassembly, part 1
Disassembly, part 2
Engine reassembly, part 1
Engine reassembly, part 2
Engine reassembly, part 3

Cooper Bessemer diesel engine maintenance series.
Bench work
see
Cylinder head
Cylinder head and piston
Inspection of piston
Reassembly of cylinder head
Reassembly of piston

Cooper Bessemer diesel engine maintenance series.
Fuel system
see
Fuel pump disassembly
Fuel pump reconditioning and reassembly
Injector block reconditioning and reassembly
Injector block removal and disassembly
Injector block replacement and timing

**Cooperative wool: From fleece to fabric** (*Motion picture*) U. S. Dept. of Agriculture, 1941.
30 min., sd., b&w, 16 mm.
Revision of the 1938 film of the same title.
*Summary:* Shows how cooperative marketing associations of wool growers handle and market wool for their members; and follows the course of wool from sheep to market to factory to consumer.
*Rent from* DA film libraries. *Buy from* UWF.

**The copper network** (*Motion picture*) U. S. Bureau of Mines, 1957. Made by Jam Handy Organization.
23 min., sd., color, 16 mm.
*Summary:* Reviews the mining, milling, and processing of copper into bars, and shows in detail the fabrication of copper wire. Explains the qualities, varieties, and uses of such wire.
*Borrow from* BM. *Cleared for tv.*

**The coppersmith: Flaring and reducing** (*Motion picture*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2346–a.
Supplementary filmstrip of same title also available.
*Summary:* Shows how to flare and reduce small and large tubing, and techniques of annealing, bumping, cleaning, and finishing.
*Borrow from* Navy. *Buy from* UWF.

**The coppersmith: Flaring and reducing** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
43 fr., b&w, 35 mm. (Shipbuilding skills series)
Order no. SN 234[illegible]m.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**The coppersmith: Working out branches from a line** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2346–b.
Supplementary filmstrip of same title also available.
*Summary:* Describes cutting, working out, and installation process; marking, cutting, raising of the cup to conform with the branch; tack-welding and fitting; and installation of a saddle branch.
*Borrow from* Navy. *Buy from* UWF.

**The coppersmith: Working out branches from a line** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
63 fr., b&w, 35 mm. (Shipbuilding skills series)
Order no. SN 2346–n.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

Coppersmithing series
see Shipbuilding skills series. Coppersmithing

**Corn** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
17 min., sd., color, 16 mm.
*Summary:* Explains the preparation of land for the planting of corn, planting and picking practices, problems of storage, and the control of insects.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Corn belt farmers fight erosion** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
43 fr., b&w, 35 mm.
Order no. 572.
With lecture notes.
*Summary:* How to check erosion by contour farming, terracing, rotation planting, diversion drainage, and check dams.
*Buy from* PhotoLab.

**O corpo humano** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Saúde para as Américas)
Portuguese version of The human body.
*Summary:* Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Corporal** (*Motion picture*) U. S. Dept. of the Army, 1960.
4 min., sd., color, 16 mm.
Order no. MF 45–9512.
*Summary:* Describes the features, capability, and test firing of the Corporal missile—a long range tactical missile for heavy fire support beyond the range of conventional artillery—and discusses the personnel equipment, and procedures involved in firing the missile. Includes scenes dealing with the organization of Corporal Battalion, the fueling of the missile, the missile checks, the checks on ground control equipment, the firing procedure, and the equipment used to record flight data.
*Borrow from* Army. *Cleared for tv.*

**Corralling the Colorado** (*Motion picture*) U. S. Bureau of Reclamation, 1951.
26 min., sd., b&w, 16 mm.
*Summary:* Reviews the history of deserts, droughts, and floods in the Southwest; and shows how Hoover, Davis, Parker, and Imperial Dams now control the Colorado River and provide irrigation and power to the people of the region.
*Borrow from* BR. *Buy from* UWF. *Cleared for tv.*

**Correcting the compass** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
47 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136–c, formerly SG 3883–c.
*Summary:* Shows how to correct the compass reading in order to determine the direction of both magnetic north and true south. Explains deviation and how it differs in amount and direction according to the location and course of the ship.
*Buy from* UWF.

**Correction of mandibular prognathism by vertical sliding osteotomy** (*Motion picture*) U. S. Dept. of the Army, 1960.
29 min., sd., color, 16 mm.
Order no. PMF 5330.
*Summary:* Explains the clinical manifestations and surgical correction of mandibular prognathism by vertical sliding osteotomy. Salient teaching points cover: examination to determine whether surgery is feasible; preoperative orthodontic equilibration procedures; and surgical techniques and procedures.
*Borrow from* Army.

**Corrosion** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
33 fr., b&w, 35 mm.
Order no. SN 646.
*Summary:* Explains methods used to prevent and to remove corrosion.
*Borrow from* Navy. *Buy from* UWF.

**Corroyage de surfaces inégales** (*Motion picture*) U. S. Office of Education, 1951.
13 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 3)
Order no. OE 304–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Face planing uneven surfaces.
*Buy from* UWF.

**The cost of an error** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (On-the-job supervision series, no. 1)
Order no. SFS 80–2.
*Summary:* Describes how an error on a routing sheet for an overseas shipment of material resulted in a delay causing unnecessary casualties and almost the loss of a battle.
*Borrow from* Army. *Buy from* UWF.

**Cotton—fiber with a future** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
14 min., sd., color, 16 mm.
*Summary:* Describes the latest developments in scientific research to make cotton an increasingly desirable and economical product, and tells the story of modern cotton-growing, harvesting, ginning, and processing.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Count down** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
27 min., sd., color, 16 mm.
Order no. SFP 380.
*Summary:* Explains the careful planning and extensive preparations necessary to launch a guided missile on a test flight at the Air Force Missile Test Center, Patrick AFB, Florida.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Countdown at White Sands** (*Motion picture*) U. S. Dept. of the Army, 1960.
25 min., sd., color, 16 mm.
Order no. MF 45–9510.
*Summary:* Describes the organization, function, and facilities of the Integrated Range Mission (IRM) at the White Sands Missile Range, New Mexico, and shows how it provides range support to the three services for missile testing. Depicts the IRM equipment and the activities involved in missile testing and development, including optical and electronic instrumentation, instrumentation research and development, central timing, range signal services, air support, missile test scheduling, processing and reduction of missile test data, and missile recovery after firing. Shows the actual countdown and firing of a Nike Hercules missile to demonstrate the services provided by the IRM.
*Borrow from* Army *Cleared for tv.*

**Countersinking, counterboring, and spotfacing** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.
20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 2)
Order no. OE 48.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to drill holes in steel and cast iron; countersink holes in steel; counterbore holes in cast iron; and spotface holes in cast iron.
*Buy from* UWF.

**Countersinking, counterboring, and spotfacing** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
49 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 2)
Order no. OE 48–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The county agent** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm. (Ohio town series)
*Summary:* Shows some of the activities of a county agent and his services to farmers—giving advice on soil conservation, helping plan a new barn, etc.
*Buy from* UWF.

**The county agent** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.
64 fr., b&w, 35 mm.
Order no. 654.
With lecture notes.
*Summary:* Describes briefly the agricultural background, activities, influence, and role of the county agent as a rural leader.
*Buy from* PhotoLab.

**County government** (*Motion picture*) U. S. Dept. of State, 1949. Made by Pictorial Research. Released for educational use in the United States through U. S. Office of Education, 1950.
28 min., sd., b&w, 16 mm.
*Summary:* Explains the system of county government in the United States as illustrated by Westchester County, N. Y.; its legislative, executive, and judicial functions; and its relationships to the state and federal governments. Prepared for overseas use.
*Buy from* UWF.

**Coupe de tenons et de segments** (*Motion picture*) U. S. Office of Education, 1951.
15 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la scie combinée, no 3)
Order no. OE 308–Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Cutting tenons and segments.
*Buy from* UWF.

**Covering hot and cold pipes** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipe insulation, no. 1)
Order no. OE 109.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Materials used to insulate hot and cold pipes; how to insulate straight pipe; cover coupling, bend, elbow, valve, and flange; and insulate cold pipes.
*Buy from* UWF.

**Covering hot and cold pipes** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
54 fr., b&w, 35 mm. (Shipbuilding skills series. Pipe insulation, no. 1)
Order no. OE 109–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Covering with fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

65 fr., b&w, 35 mm.

Order no. SN 182.

*Summary:* Explains the blanket and envelope methods of wing covering and shows the various covering operations used before rib stitching.

*Borrow from Navy. Buy from UWF.*

**Crane operations: Floating cranes** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by MPO Productions.

16 min., sd., b&w, 16 mm.

Order no. MN 8076-a.

*Summary:* Gives basic rules for operating the floating crane efficiently. Shows proper positioning and tieing, securing the load to the hook, proper methods in hoisting heavy loads, safety precautions, rotating problems, landing the load, and operating the crane by using combined operations.

*Borrow from Navy. Buy from UWF.*

**Crane operations: Safety precautions** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by M. P. O. Productions.

14 min., sd., b&w, 16 mm.

Order no. MN 8076-b.

*Summary:* Shows procedures and rules to be followed in the safe operation of mobile cranes.

*Borrow from Navy. Buy from UWF.*

**Crane shovel unit, Bucyrus Erie, crawler mounted: adjustment of main operating clutches and brakes** (*Motion picture*) U. S. Dept. of the Army, 1957.

6 min., sd. b&w, 16 mm.

Order no. TF 5-2351.

*Summary:* Shows how to adjust the main operating clutches and brakes of the Bucyrus Erie crane shovel unit, crawler mounted: specifically, adjustment of "slipping" clutches, depicting adjustment of clutch lever, bolt and guide screws, and clutch band. Explains adjustment of the hoist and crowd brakes, including the brake adjusting nut; locking the brake down; and adjusting the brake band.

*Borrow from Army.*

**Crash fire rescue** (*Motion picture*) U. S. Navy Dept., 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

23 min., sd., b&w, 16 mm.

Order no. MN 5892.

*Summary:* Stresses the importance of exerting every effort to rescue personnel involved in all aircraft crashes. Considers the three essentials for fire (fuel, heat, and oxygen) and shows how water, carbon dioxide, and foam are used as extinguishing agents. Demonstrates extinguishing equipment on several fires resulting from simulated crashes.

*Borrow from Navy.*

**Crash impact survival in light airplanes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

18 min., sd., color, 16 mm.

Order no. TF 28.

*Summary:* Shows the results of full-scale light-airplane crashes simulating stall-spin accidents, conducted to determine the decelerations to which occupants are exposed and the harness forces encountered in this type of accident, at impact speeds from 42 to 60 mph. Points out that the airplanes used are of the familiar steel-tube, fabric-covered, tandem, two-seat type. For technical personnel to be used with NACA Technical note 2991: Accelerations and passenger harness loads measured in full-scale light-airplane crashes.

*Borrow from NASA.*

**The crawl stroke** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

8 min., sd., b&w, 16 mm.

Order no. MOG 115-1, formerly MG 2087.

*Summary:* Demonstrates the kick and the arm movement employed in the crawl stroke, and how they are combined.

*Buy from UWF.*

**Creation of a monument** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

14 min., sd., color, 16 mm.

Order no. SFP 402.

*Summary:* Describes the planning and early construction of the U. S. Air Force Academy near Colorado Springs, Colorado, and shows the academic, administrative, warehousing, and recreational areas of the Academy.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**Creative leisure** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

*Summary:* Shows how some Americans spend their leisure in pursuit of the arts. Prepared for use in occupied areas.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Creativity** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

10 min., sd., color, 16 mm.

*Summary:* Presents in narrative form, against a background of prismatic color patterns and nature scenes from our national parks, forests, and volcanic areas, the story of man's capacity, from Genesis until the present, to conceive, imagine, and create.

*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Crevasse location and mapping** (*Motion picture*) U. S. Army Engineers, 1958.

20 min., sd., color, 16 mm.

*Summary:* Shows the method of detecting crevasses by using a radiometer for determining infrared radiation over snow surfaces.

*Borrow from Eng. Cleared for tv.*

**Cricothyroidotomy** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.

11 min., sd., color, 16 mm.

Order no. MN 7469.

*Summary:* Shows by live action and animation the procedure for temporary relief of an obstruction in the air passage of a wounded man by the performance of a cricothyroidotomy.

*Borrow from Navy. Buy from UWF.*

**The crime of Korea** (*Motion picture*) U. S. Dept. of Defense, 1950.

15 min., sd., b&w, 16 mm.

Order no. AFSR 125.

*Summary:* A war correspondent's reports on Korea after its liberation from Japan in 1945, and after the Communist destruction and devastation of the country and its people in 1950.

*Borrow from Army. Buy from UWF. Cleared for tv.*

The critical period

see American history I, lecture 6: The critical period; the Articles of confederation to the Constitution

**Crop reports help farmers face the facts** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

4 min., sd., b&w, 16 mm.

*Summary:* Explains how crop reports are combined into State and National totals for the guidance of farmers and ranchers in selling their products. For television use.

*Borrow from DA-MPS. Buy from DA. Cleared for tv.*

**The crop that never fails** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Treasury, 1946.

7 min., sd., b&w, 16 mm.

*Summary:* Explains how the regular purchase of U. S. savings bonds gives farmers protection against future hard times—floods, drought, dust, disease, grasshoppers, inflation, and depression.

*Rent from DA film libraries. Buy from UWF.*

**Crops of the Americas** (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

41 fr., b&w, 35 mm.

Order no. 684.

With lecture notes.

*Summary:* Shows the wide variety of products of South and Central America imported into the United States.

*Buy from* PhotoLab.

**Crops of the Americas** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

44 double fr., color, 35 mm.

Order no. C-7.

Revision of b&w version released in 1948 under the same title.

With lecture notes.

*Buy from* PhotoLab.

**Crossing at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Rules of the nautical road series)

Order no. MN 202-u.

*Summary:* Defines the meaning of crossing in relation to a ship's bearing and presents several examples of ships crossing, the exchange of signals, and the resultant action of each ship.

*Borrow from* Navy. *Buy from* UWF.

**Crossing steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

15 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-r.

*Summary:* Explains whistle signals and rules for crossing in international and inland waters.

*Borrow from* Navy. *Buy from* UWF.

**Cruising the northern seas** (*Motion picture*) U. S. Dept. of the Navy, 1953.

11 min., sd., color, 16 mm.

Order no. MN 7439.

*Summary:* A pictorial record of the 1950-51 winter icebreaker operations conducted by the USS Burton Island in the Bering Seas. Shows various phases of ice-breaking and helicopter ice reconnaissance techniques.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**El cuerpo humano** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

9 min., sd., color, 16 mm. (Salud para las Américas)

Spanish version of The human body.

*Summary:* Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Cuidado de la madre** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

11 min., sd., color, 16 mm.

Spanish version of Wise parents, healthy babies.

*Summary:* Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

*Buy from* UWF. *Cleared for tv.*

**El cuidado del niño** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Salud para las Américas)

Spanish version of Infant care.

*Summary:* Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

*Buy from* UWF *Cleared for tv. Prior authorization required.*

**Cull for profit** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with Texas Agricultural Extension Service, 1951.

9 min., sd., color, 16 mm.

*Summary:* Shows the times when it is economical and convenient to cull low producing poultry birds, and describes the physical characteristics to look for in determining which birds to unload and which ones to keep.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Cummings City: Military assistance in civil disaster** (*Motion picture*) U. S. Dept. of Defense, 1958.

35 min., sd., b&w, 16 mm.

Order no. AFIF 89.

*Summary:* Describes the assistance given by the armed services when natural disasters strike civilian communities in continental United States, using a hypothetical town, Cummings City.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Cummington story** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

22 min., sd., b&w, 16 mm. (American scene series, no. 14)

*Summary:* Portrays the experiences of a refugee family in a New England town, their diffidence as newcomers, and their later acceptance into the life of the community.

*Buy from* UWF.

**Curing pork country style** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

18 min., sd., b&w with color sequences, 16 mm.

*Summary:* Shows how to cure pork by the "dry" and "brine" methods; and gives instructions on the preparation, smoking, cooling, wrapping, and storage of meat.

*Rent from* DA film libraries. *Buy from* UWF.

**Current and electromotive force** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

11 min., sd., b&w, 16 mm. (Radio technician training series. Elementary electricity)

Order no. MN 1540-t.

Supplementary filmstrip of same title also available.

*Summary:* Explains electron theory, the arrangement of molecules, building up of current, conductors, electromotive force, resistance, and chemical and mechanical sources of electromotive force.

*Borrow from* Navy. *Buy from* UWF.

**Current and electromotive force** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

38 fr., b&w, 35 mm. (Radio technician training series. Elementary electricity)

Order no. SN 1540-at.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**Current flow, what it is** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

4 min., sd., b&w, 16 mm. (Basic electricity series)

Order no. MN 8016-c.

*Summary:* Shows that electrons move in chain reactions due to repulsion between electrons and attraction between electrons and positive atoms; that in a wire when an electron moves at one point an electron moves at every other point; and that the amount of current depends upon a number of electrons per second moving past a point.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Curtiss electric propeller disassembly. Part 1: Power unit** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

70 fr., b&w, 35 mm.

Order no. FS 1-398.

*Summary:* Shows step-by-step process of disassembling the power unit of the standard-type Curtiss electric propeller.

*Borrow from* AF.

**Curtiss electric propeller disassembly. Part 2: Hub and blades** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
50 fr., b&w, 35 mm.
Order no. FS 1–289.
*Summary:* Shows the step-by-step process of disassembling the hub and blades of the Curtiss electric propeller (standard unit)
*Borrow from* AF.

**Cutaneous infections** (*Filmstrip*) U. S. Public Health Service, 1951.
16 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 13–b.
*Summary:* Depicts morphological characteristics of tissue phases of fungi with particular reference to tinea capitis, ectothrix infection; tinea capitis, endothrix infection; and tinea corporis. Consists of pictures which may be used for making 2 x 2-inch slides.
*Borrow from* PHS.

**Cutting a dovetail taper slide** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
26 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 2)
Order no. OE 73.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to machine a dovetail taper slide on the vertical milling machine; use a rotary table in milling a taper; and mill to layout lines.
*Buy from* UWF.

**Cutting a dovetail taper slide** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
38 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 2)
Order no. OE 73–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Cutting a forequarter of beef** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm. (The Army cook series, no. 3)
Order no. TF 10–1135.
*Summary:* Demonstrates how to trim, bone, and separate a forequarter of beef into cuts for steaks, roasts and stews, and how to use each cut to the best advantage.
*Borrow from* Army. *Buy from* UWF.

**Cutting a hindquarter of beef** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm. (The Army cook series, no. 2)
Order no. TF 10–1134.
*Summary:* Shows the bone structure of a hindquarter of beef; and demonstrates how to trim, bone, and separate it into various cuts.
*Borrow from* Army. *Buy from* UWF.

**Cutting a keyway on end of a finished shaft** (*Motion picture*) U. S. Office of Education, 1941. Made by Emerson Yorke Studio.
13 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the shaper, no. 1)
Order no. OE 19
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to lay out a keyway on a shaft; set up a round shaft in a shaper vise; set ram stroke and speed; and cut a keyway.
*Buy from* UWF.

**Cutting a keyway on end of a finished shaft** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
42 fr., b&w, 35 mm. (Machine shop work series. Operations on the shaper, no. 1)
Order no. OE 19–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

**Cutting a round end keyway** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 3)
Order no. OE 74.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to cut a round end keyway in a steel shaft; align the spindle and workpiece by using a test bar; use a two-lip end mill to sink a hole in solid stock; set trip dogs and table stops; and check the finished dimensions of a round end keyway.
*Buy from* UWF.

**Cutting a round end keyway** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
32 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 3)
Order no. OE 74–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Cutting a short rack** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 6)
Order no. OE 208.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up and align the workpiece on a milling machine table; position table and workpiece in relation to the cutter; and rough- and finish-mill the workpiece.
*Buy from* UWF.

**Cutting a short rack** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
36 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 6)
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Cutting a taper with the compound rest and with a taper attachment** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.
11 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 3)
Order no. OE 8.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set the compound rest; machine a steep taper; set the taper attachment; machine a small taper; and use a taper plug gage.
*Buy from* UWF.

**Cutting a taper with the compound rest and with a taper attachment** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 3)
Order no. OE 8–fs.
Supplements the motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Cutting an external acme thread** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 7)
Order no. OE 45.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to cut threads with and without using the threading dial; finish-machine the threads to size; and check thread size with a thread gage.
*Buy from* UWF.

**Cutting an external acme thread** (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

63 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 7)

Order no. OE 45–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting an external national fine thread** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

12 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 5)

Order no. OE 10.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Basic forms of screw threads; characteristics of the National fine thread; how to set lathe gears to cut threads of a given pitch; set depths of cuts; and use the threading dial.

*Buy from* UWF.

**Cutting an external national fine thread** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

44 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 5)

Order no. OE 10–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting an internal acme thread** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 8)

Order no. OE 56.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up the lathe and cut an internal right-hand Acme thread; grind and check the stocking and forming tools; and gage the finished threads.

*Buy from* UWF.

**Cutting an internal acme thread** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

38 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 8)

Order no. OE 56–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting an internal taper pipe thread** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 9)

Order no. OE 57.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to use a taper attachment; bore a tapered hole to gage size for threading; thread a tapered hole to fit a gage; and check pipe threads with a taper thread plug gage.

*Buy from* UWF.

**Cutting an internal taper pipe thread** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

35 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 9)

Order no. OE 57–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting and boning a forequarter of beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

19 min., sd., b&w, 16 mm. (Farm work series. Meat cutting, no. 1)

Order no. OE 456.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to chill beef; quarter it; trim the forequarter; cut wing, crosscut chuck, brisket, and chuck; and prepare meat for freezing or canning.

*Buy from* UWF.

**Cutting and boning a forequarter of beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

50 fr., b&w, 35 mm. (Farm work series. Meat cutting, no. 1)

Order no. OE 456–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting and boning a hindquarter of beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

17 min., sd., b&w, 16 mm. (Farm work series. Meat cutting, no. 2)

Order no. OE 457.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to separate the round from loin and rump; cut the round; remove the tenderloin; separate sirloin and rump from shell loin; and prepare meat for freezing or canning.

*Buy from* UWF.

**Cutting and boning a hindquarter of beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

49 fr., b&w, 35 mm. (Farm work series. Meat cutting, no. 2)

Order no. OE 457–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting and threading pipe by hand** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 2)

Order no. OE 106.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to use pipe cutter and pipe reamer; select and insert proper dies in stock; thread pipe by hand; test threads for fit; prepare fitted pipe for delivery; and care for tools.

*Buy from* UWF.

**Cutting and threading pipe by hand** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

47 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 2)

Order no. OE 106–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting and threading pipe on a power machine** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 3)

Order no. OE 107.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to measure and cut pipe for fittings; ream pipe which has been cut; and thread pipe by machine.

*Buy from* UWF.

**Cutting and threading pipe on a power machine** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

48 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 3)

Order no. OE 107–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting cove molding and a corebox** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (**Precision wood machining series. Operations on the variety saw, no. 4**)

Order no. OE 311.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to select stock for cove molding; cut and rip cove molding; select the proper blade for oblique cutting; and cut a deep hollow.

*Buy from* UWF.

**Cutting cove molding and a corebox** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

41 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 4)

Order no. OE 311–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Cutting cove molding and a corebox
see also
Sciage d'une gorge et d'une boîte à noyaux

**Cutting grooves with circular saw blades** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

22 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the spindle shaper, no. 3)

Order no. OE 320.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up the machine to cut grooves; cut grooves in stiles and rails; cut grooves for splines; and cut stop channels in mirror frame members.

*Buy from* UWF.

**Cutting grooves with circular saw blades** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

56 fr., b&w, 35 mm. (Precision wood machining series. Operations on the spindle shaper, no. 3)

Order no. OE 320–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting keyways** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 1)

Order no. OE 12.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up a shaft on the table of the milling machine for cutting a keyway at each end; select the proper cutter; determine the correct speed and feed; set the machine for the proper depth and length of cut; and mill keyways to specified dimensions.

*Buy from* UWF.

**Cutting keyways** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

42 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 1)

Order no. OE 12–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting teeth on a worm gear** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 9)

Order no. OE 211.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set dividing head for specified indexing; position workpiece for gashing; gash the teeth on the workpiece; position workpiece under dead center of hob; mesh gashed gear with hob; and hob the teeth.

*Buy from* UWF.

**Cutting teeth on a worm gear** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

40 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 9)

Order no. OE 211–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting tenons and segments** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

15 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the variety saw, no. 3)

Order no. OE 308.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to lay out and cut a tenon; set up the equipment to make shoulder and check cuts; prepare a jig to trim and miter segments; and guide the jig, using a sliding miter gage.

*Borrow from* UWF.

**Cutting tenons and segments** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

32 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 3)

Order no. OE 308–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Cutting tenons and segments
see also
Coupe de tenons et de segments

**Cutting threads with taps and dies** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

19 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 1)

Order no. OE 34.

Supplemented by filmstrip of same title.

With instructor's manual.

*Summary:* Principles of cutting threads with taps and dies; tapping full threads in a blind hole; tapping through holes; and cutting threads with an adjustable die.

*Buy from* UWF.

**Cutting threads with taps and dies** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

48 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 1)

Order no. OE 34–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting with carbide tools. Part 1: Single point** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

19 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 4)

Order no. OE 244.

Supplemented by filmstrip with the same title.

With instructor's manual.

*Summary:* How to machine a steel forging on an engine lathe, using a single-point carbide tool.

*Buy from* UWF.

**Cutting with carbide tools. Part 1: Single point** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

40 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 4)

Order no. OE 244–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cutting with carbide tools. Part 2: Milling cutters** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

15 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 5)

Order no. OE 245.

Supplemented by filmstrip of same title.

With instructor's manual.

*Summary:* How to face-mill a steel forging with a carbide milling cutter.

*Buy from* UWF.

**Cutting with carbide tools. Part 2: Milling cutters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

34 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 5)

Order no. OE 245–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Cycloidal and hydraulic jet propulsion** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

11 min., sd., b&w, 16 mm.

Order no. FB 55–236.

*Summary:* Explains the principles and uses of cycloidal propelled and hydraulic propelled vessels; and contrasts cycloidal propelled and hydraulic (jet) propelled vessels with conventional single-screw type craft.

*Borrow from* Army.

**Cylinder and piston assemblies** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

32 fr., b&w, 35 mm.

Order no. FS 1–27.

*Summary:* Explains the function, construction, and operation of air-cooled and liquid-cooled cylinder assemblies, valves, and valve-operating mechanisms.

*Borrow from* AF. *Buy from* UWF.

**Cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 4)

Order no. MN 2364–h.

*Summary:* Demonstrates how to inspect and recondition the cylinder head.

*Borrow from* Navy. *Buy from* UWF.

**Cylinder head and piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 1)

Order no. MN 2364–e.

*Summary:* Shows how to disassemble the cylinder head and piston; inspect the cover frame; check rocker arms; remove valves and crossheads, wedging piston, piston pin bolts, connecting rod, piston pin caps, and piston pin.

*Borrow from* Navy. *Buy from* UWF.

**Cylinder head removal** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Disassembly)

Order no. MN 3708–a.

*Summary:* How to remove piston oil cooling tubes, cylinder head covers, test valve, rocker arm assemblies, fuel lines, injector linkage, injectors, and cylinder head.

*Borrow from* Navy. *Buy from* UWF.

# D

**D. C. motor. Part 1: Mechanical overhaul** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

20 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 1)

Order no. OE 392.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to test for electrical and mechanical faults; dismantle D. C. motor; turn the commutator; repair and replace field coils; assemble the motor; and adjust and make final tests.

*Buy from* UWF.

**D. C. motor. Part 1: Mechanical overhaul** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

37 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 1)

Order no. OE 392–fs.

Supplements motion picture of same title.

With instructor's manual.

*Buy from* UWF.

**D. C. motor. Part 2: Rewinding** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

37 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 2)

Odrer no. OE 393.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to dismantle and clean an armature core; determine commutator pitch; reinsulate the core; insert coils; band an armature; shape coil ends; lay in and solder leads; balance and impregnate the armature; and turn a commutator.

*Buy from* UWF.

**D. C. motor. Part 2: Rewinding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

43 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 2)

Order no. OE 393–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**DDT as a mosquito larvicide** (*Motion picture*) U. S. Public Health Service, 1954.

12 min., sd., b&w, 16 mm. (Malaria control series)

Order no. 4–035.3.

Revision of 1947 film with the same title.

With film guide.

Supplementary filmstrip of the same title also issued.

*Summary:* Shows hand spraying of DDT in mosquito larviciding. Demonstrates mixing the solution; function, care, and use of equipment; and approved application practices. Explains the advantages of DDT.

*Borrow from* PHS. *Buy from* UWF.

**DDT as a mosquito larvicide** (*Filmstrip*) U. S. Public Health Service, 1947.

81 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min. (Malaria control series)

Order no. 5–074.

With film guide.

Reviews and supplements the long version of the motion picture with the same title (order no. 4–035.2)

*Borrow from* PHS.

**DDT in the control of household insects** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm.

Order no. TF 8–1468.

*Summary:* Shows methods of using DDT to kill houseflies, cockroaches, and bedbugs.

*Borrow from* Army. *Buy from* UWF.

**D-day convoy** (*Motion picture*) U. S. Dept. of the Army, 1948.
19 min., sd., b&w, 16 mm. (Historical reports series)
Order no. HB-B-15.
*Summary:* Postwar recapitulation of activities prior to and including D-day, showing how American troops were moved from all parts of England to embarkation posts for the Normandy invasion.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**D-day minus one** (*Motion picture*) U. S. Army Air Forces, 1945.
16 min., sd., b&w, 16 mm.
Order no. SFP 158-a.
*Summary:* A record of the operations of the U. S. 82nd and 101st Airborne Divisions in the 1944 invasion of France, and of paratroops, gliders, and troop carriers landing in France a day prior to the main invasion.
*Borrow from* AF. *Buy from* UWF.

**DEW line** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
56 min., sd., color, 16 mm.
Order no. SFP 570.
*Summary:* Presents the story of the DEW line, a network of radar outposts, and explains the necessity of this Distant Early Warning System to protect America from sudden air attack. Shows contributions of Army and Navy units, industry, the Canadian Government, and the Royal Air Force in carrying out this project.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**D–Z Normandy: Employment of troop carrier forces** (*Motion picture*) U. S. Army Air Forces, 1944.
95 min., sd., b&w, 16 mm.
Order no. TF 1-3711.
*Summary:* Shows how the Ninth Troop Carrier Command carried out an airborne assault on continental Europe, and describes the training of personnel, planning of the operation, the operation itself, and the completion of the mission as the Ninth Troop Carrier Command enters Carentan.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Dairy Herd Improvement Association, identification and permanent record program** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
38 fr., b&w, 35 mm.
Order no. 554.
With lecture notes.
*Summary:* Explains the identification markings employed by the association: methods of eartagging; and the keeping of identification and production records.
*Buy from* PhotoLab.

**The Dalles Dam** (*Motion picture*) U. S. Army Engineers, 1956.
29 min., sd., color, 16 mm.
*Summary:* Presents the engineering record of construction on a large multiple-purpose project. Shows progress from the project's inception to approximately March, 1955, including the initial phases of powerhouse, lock, and spillway excavation, and utility relocation. Explains the importance of this unit in the Corps of Engineers' multiple-purpose plan of development of the Columbia River.
*Borrow from* Eng. *Cleared for tv.*

**Damage control: Civilian-manned ships** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.
21 min., sd., b&w, 16 mm.
Order no. MN 8387.
*Summary:* Provides information to civilian marine personnel on the importance of damage control as a safety-at-sea measure. Explains how individual crew members fit into the damage control organization of MSTS ships in service, and shows how practice through drills can develop skill, confidence, and readiness for emergencies.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Damage control: The chemistry of fire** (*Motion picture*) U. S. Navy Dept., 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1944.
46 min., sd, b&w, 16 mm.
Order no. MN 61-a.
Known also as The chemistry of fire.
*Summary:* Demonstrates how the elements of fuel, oxygen, and ignition temperature must be present in order to have fire; differentiates between flash point and ignition point of fuels; and explains ways to extinguish a fire.
*Borrow from* Navy.

**Dangerous war trophies** (*Motion picture*) U. S. Dept. of Defense, 1953.
12 min., sd., b&w, 16 mm.
Order no. AFIF 23.
*Summary:* Emphasizes and illustrates that rifles, grenades, shells, and other war trophies can be dangerous: and explains the procedures to follow in making such trophies harmless.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The David Taylor Model Basin, Carderock, Maryland** (*Motion picture*) U. S. Dept. of the Navy, 1954.
12 min., sd., b&w, 16 mm.
Order no. MN 8095.
*Summary:* Presents the story of the men and science involved in the research, development, and testing of ship and aircraft designs for the U. S. Navy. Sequences feature a tour of three laboratories—hydromechanics, structural mechanics, and aerodynamics—including a high speed towing and turning basin almost ⅝ of a mile long, a circulating water channel, two variable pressure water tunnels, several wind tunnels, and two wave-making basins.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**David Taylor Model Basin story** (*Motion picture*) U. S. Dept. of the Navy, 1957.
22 min., sd., b&w, 16 mm.
Order no. MN 8501.
*Summary:* Describes how the research and development facilities of the Model Basin are related to the support and operation of the U. S. Navy. Shows the steps used in testing the design of a new type of ship or plane, including the construction of scale models and the testing of the models in water basins and wind tunnels. Special emphasis is placed on the large wavemaker in the deep water basin, the transonic wind tunnel, and the UNIVAC computing system.
*Borrow from* Navy. *Buy from* UWF.

**A day at Federal Reserve Bank of Cleveland** (*Motion picture*) Federal Reserve Bank of Cleveland, 1956.
20 min., sd., b&w, 16 mm.
*Summary:* Explains the functions and operations of the Federal Reserve Bank of Cleveland.
*Borrow from* FRB.

**Day for decision** (*Motion picture*) U. S. Veterans Administration, 1953.
15 min., sd., b&w, 16 mm.
Revision of 1947 film released under title Road to decision.
*Summary:* Explains to disabled veterans the purpose, function, and value of the vocational counseling services of the Veterans Administration.
*Borrow from* VA. *Cleared for tv.*

**The day is new** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., b&w, 16 mm.
*Summary:* A day in Mexico City from dawn to dark; daily pursuits similar to those found in middle-class American city life.
*Buy from* UWF.

**Day of battle** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* Story of an aircraft carrier—how it was built and subsequently destroyed in a battle in the South Pacific.
*Buy from* UWF.

**Days of a tree** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1956.
28 min., sd., color, 16 mm.
*Summary:* A boy and his father on a fishing trip find the once clear streams now a mass of charred debris, and the area laid waste by repeated forest fires through the years. The father conducts a demonstration for his son to show the effects of fire and water upon the soil. Together they visit a State forest service station and learn of the fire prevention and control measures of State, private, and Federal conservation agencies.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Day's work of a navigator at sea** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., b&w, 16 mm.
Order no. MN 6742–b.
*Summary:* Reviews the general duties of a navigator on a destroyer, including morning position, morning sun, time signal, noon sun, course changes, afternoon sun, evening stars, and night orders.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Day's work of a navigator in pilot waters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., b&w, 16 mm.
Order no. MN 6742–c.
*Summary:* Reviews the general duties of a navigator on a destroyer, including working loran position, studying harbor charts and tide tables, operating fathometer, taking bearings, making soundings, and anchoring.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Dead out** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Southern States, 1948.
22 min., sd., color, 16 mm.
*Summary:* Dramatized story of a young Southern farmer who fails to make sure that his brush fires are "dead out" with the result that a strong wind fans a smoldering pile into flame and the fire destroys his house and buildings. Demonstrates correct ways of burning brush.
*Rent from* DA film libraries. *Buy from* UWF.

**Dead reckoning** (*Filmstrip*) U. S. Navy Dept., 1942. Released through U. S. Civil Aeronautics Administration, 1946.
62 fr., b&w, 35 mm.
Order no. SN 804.
*Summary:* Explains the theory of dead reckoning and demonstrates its practical applications.
*Borrow from* Navy.

**Dead reckoning: air** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education. 1946.
34 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–j.
*Summary:* Shows ground track, air track, wind effect, correction angle, drift angle, establishment of wind direction and velocity by both grid method and drift method. College level.
*Borrow from* Navy. *Buy from* UWF.

**Dead reckoning instruments. Part 1: Driftmeters** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
56 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1–324.
*Summary:* Explains drift and its effect upon aircraft; and tells what driftmeters are and how they function.
*Borrow from* AF.

**Dead reckoning: Plotting, and celestial lines of position** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
40 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–g.
*Summary:* Explains the basic plan of the Mark 3 board, animating a small scale problem as it is worked out on the board; plots in geographic position and solution of wind problem. College level.
*Borrow from* Navy. *Buy from* UWF.

**Dear boss** (*Motion picture*) U. S. Dept. of the Navy, 1952.
26 min., sd., b&w, 16 mm.
Order no. MN 7400.
*Summary:* Dramatized story of a small-town girl who joins the Waves and, in a letter to her former boss, tells of her experiences in "boot camp" and on her first assignment.
*Borrow from* Navy. *Cleared for tv.*

**Debridement. Part 1: Multiple soft tissue wounds** (*Motion picture*) U. S. Dept. of the Army, 1957.
29 min., sd., color, 16 mm.
Order no. PMF 5304.
*Summary:* Demonstrates the principles and techniques followed in achieving adequate debridement of war wounds, including adequate skin incision; minimal skin incision; incision of the fascia; excision of all devitalized tissue considering color changes, lack of contractility, change of consistency, and absence of bleeding when cut; excisions made over the long axis of the extremity; complete hemostasis; loose primary closure of deep structures; and placing dressings on the wounds. For medical personnel.
*Borrow from* Army. *Buy from* UWF.

**Debridement. Part 2: Wounds of the extremities** (*Motion picture*) U. S. Dept. of the Army, 1956.
33 min., sd., color, 16 mm.
Order no. PMF 5305.
*Summary:* Describes the techniques used in effective debridement of soft tissue wounds and demonstrates through eight different wound cases at a hospital in Korea the methods used in cleaning wounds and removing devitalized tissue and other foci of infection.
*Borrow from* Army. *Buy from* UWF.

**A decade in review** (*Motion picture*) U. S. Army Engineers, 1959.
29 min., sd., color, 16 mm.
*Summary:* Outlines the military and civil projects within the Army Engineers Walla Walla District and depicts the changes brought about by these projects.
*Borrow from* Eng. *Cleared for tv.*

**Deck girders: Subassembly** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 5)
Order no. OE 28.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Use of transverse and longitudinal girders in hull structures; how to fit, weld, and rivet stiffening brackets to a transverse girder and to a longitudinal girder.
*Buy from* UWF.

**Deck girders: Subassembly** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.
44 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 5)
Order no. OE 28–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Deck plates: Regulating and setting** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 10)
Order no. OE 33.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mark off the centerline, frame lines, and buttock lines on deck girders; line up deck plates to the reference lines; fit square, scarfed, and V-type butt joints; and hold plates flush for welding.
*Buy from* UWF.

**Deck plates: Regulating and setting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

38 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 10)

Order no. OE 33–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**The deck: Setting a web frame and a transverse beam** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 6)

Order no. OE 29.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to square a web frame with the frame and buttock lines; shore up a transverse deck beam; and fair the transverse beam to the centerline and frame line of the deck.

*Buy from* UWF.

**The deck: Setting a web frame and a transverse beam** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

47 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 6)

Order no. OE 29–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Decortication in the treatment of tuberculous pleuritis** (*Motion picture*) U. S. Dept. of the Army, 1952.

23 min., sd., color, 16 mm. (Thoracic surgery series)

Order no. PMF 5210.

*Summary:* Operative procedure for the decortication of the lung in the treatment of tuberculous pleuritis.

*Borrow from* Army.

**Deep sea diving: Medical and physical background** (*Motion picture*) U. S. Dept. of the Navy, 1944.

25 min., sd., color, 16 mm.

Order no. MN 106–a.

*Summary:* History of the diving suit; definition of terms; function of recompression chamber; effects of diving on respiratory system; cause of bends; saturation tests for nitrogen absorption.

*Borrow from* Navy. *Buy from* UWF.

**Deep sea diving: Shallow water diving** (*Motion picture*) U. S. Dept. of the Navy, 1944.

25 min, sd., b&w, 16 mm.

Order no. MN 105–d.

*Summary:* Shows the diving bell and standard helmet, preparation for diving, characteristics of the face mask, and adaptation of the Mark 3 gas mask to shallow water diving.

*Borrow from* Navy. *Buy from* UWF.

**Deep sea diving: The diving dress** (*Motion picture*) U. S. Dept. of the Navy, 1944.

48 min., si., b&w, 16 mm.

Order no. MN 105–b.

*Summary:* Shows characteristics of parts of the diving dress, preparation and inspection of suit for diving, duties of tenders, and how to avoid injury from underwater pressure.

*Borrow from* Navy. *Buy from* UWF.

**Deep sea diving: The technique of diving** (*Motion picture*) U. S. Dept. of the Navy, 1944.

24 min., sd., b&w, 16 mm.

Order no. MN 105–c.

*Summary:* Points out the important factors of dress tenders, telephone line, descending line, and knowledge of the conditions of the dive. Demonstrates the dressing procedure, and the method of descending, depending on water temperature, visibility, and currents.

*Borrow from* Navy. *Buy from* UWF.

**Deep sea survival** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

27 min., sd., color, 16 mm.

Order no. TF 1–5252.

*Summary:* Portrays through dramatized incidents some of the conditions faced by a crew of airmen who are ditched in tropical water and survive 20 days on a raft before they are rescued.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Deep waters** (*Motion picture*) U. S. Army Engineers, 1949.

21 min., sd., color, 16 mm.

*Summary:* Explains the importance of deep-water harbor channels through a portrayal and study of Hampton Roads.

*Borrow from* Eng. *Cleared for tv.*

Defensa contra la invasión
see La vacuna; o, Defensa contra la invasión

**Defense against enemy propaganda** (*Motion picture*) U. S. Dept. of the Army, 1957.

29 min., sd., b&w, 16 mm.

Order no. AIF 1.

*Summary:* Defines enemy propaganda, explains its aims, and shows how it is used to influence thought and action. Particular attention is given to means for combating such propaganda, and oral, written, and graphic samples are used to illustrate its nature.

*Borrow from* Army.

**Defense against invasion** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

13 min., sd., color, 16 mm.

*Summary:* Animated cartoon. Explains how vaccination makes the body immune to certain diseases.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

Defense against invasion
see also
Defesa contra invasão
La vacuna; o, Defensa contra la invasión

**Defense of Antwerp against the V–1** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

21 min., sd., b&w, 16 mm.

Order no. MF 9–1286.

*Summary:* Shows how Antwerp, liberated after four years of German occupation, was battered by the V–1 bomb, and how the port was saved by Allied gunners using a shifting defense strategy known as Antwerp X.

*Borrow from* Army. *Buy from* UWF.

**Defense of the Western Hemisphere** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

18 min., sd., b&w, 16 mm.

Order no. AFSR 130.

*Summary:* Explains the steps taken to strengthen hemispheric defense by cooperation among the nations of North and South America, the Organization of American States, the Inter-American Defense Board, and assistance provided by U. S. Military Missions.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Defense procurement: Competitive negotiation** (*Motion picture*) U. S. Dept. of the Army, 1960.

40 min., sd., b&w, 16 mm.

Order no. TF 38–2865.

*Summary:* Discusses the basic theory, regulations, and procedures related to defense procurement by negotiation.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Defense procurement: Contract administration** (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., b&w, 16 mm.
Order no. TF 38–2866.
*Summary:* Discusses the principles and techniques of contract administration involved in Government purchasing activity, and reviews the two phases of Government procurement—pre-award and award phase, and contract administration. Shows the purpose, scope, and procedures of contract administration. Demonstrates the progress of a typical contract from the time of initial negotiation to final completion, including the pre-production conference, production stages, negotiations pursuant to an engineering change in the contract, and final price redetermination upon completion of contract.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Defense procurement: Formal advertising** (*Motion picture*) U. S. Dept. of the Army, 1960.
43 min., sd., b&w, 16 mm.
Order no. TF 38–2864.
*Summary:* Discusses the principles, regulations, and procedures related to formal advertising.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Defensive driving: Tailgating, left turns, parked cars** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
13 min., sd., b&w, 16 mm.
Made from pictures in the 1952 filmstrip with the same title.
*Summary:* Defines defensive driving as defending oneself against the mistakes of other drivers and gives examples of what to do when a driver follows too closely, when making a left turn, and when passing parked cars. Prepared originally for use by Soil Conservation Service employees.
*Rent from* DA film libraries. *Buy from* UWF.

**Defensive driving: Tailgating, left turns, parked cars** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
65 double fr., b&w, 35 mm.
Order no. 700.
With lecture notes.
*Summary:* Defines defensive driving as defending oneself against the mistakes of other drivers and gives examples of what to do when a driver follows too closely, when making a left turn, and when passing parked cars. Prepared originally for use by Soil Conservation Service employees.
*Buy from* PhotoLab.

**Defesa contra invasão** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
13 min., sd., color, 16 mm.
Portuguese version of Defense against invasion.
*Summary:* Explains how vaccination makes the body immune to certain diseases. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Dégauchissage d'un champ pour le collage: Installation des couteaux** (*Motion picture*) U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 4)
Order no. OE 305–Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Jointing an edge for gluing: installing knives.
*Buy from* UWF.

**Dégauchissage des champs et extrémités d'équerre avec la face** (*Motion picture*) U. S. Office of Education, 1951.
17 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la dégauchisseuse, no 1)
Order no. OE 302–Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Jointing edges and ends 90 degrees to face.
*Buy from* UWF.

**De-icer servicing and installation** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
80 fr., b&w, 35 mm.
Order no. SN 151.
*Summary:* Shows the principles of operation, installation, and servicing of the Goodrich de-icer.
*Borrow from* Navy.

**De-icing equipment: Units and their functions** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
38 fr., b&w, 35 mm.
Order no. FS 1–208.
*Summary:* Shows how the de-icing mechanism works and the valves necessary for proper functioning of de-icer shoes.
*Borrow from* AF.

**Demonstration of Cushing's experiment in the dog** (*Motion picture*) U. S. Dept. of the Army, 1949.
14 min., sd., color, 16 mm.
Order no. PMF 5111.
*Summary:* Demonstrates the essential details to follow, in performing Cushing's experiment on the dog, to elicit respiratory and circulatory responses through the elevation of cerebrospinal fluid pressure. For medical personnel.
*Borrow from* Army.

**Demonstrations in perception** (*Motion picture*) U. S. Dept. of the Navy, 1951.
25 min., sd., b&w, 16 mm.
Order no. MN 7361.
*Summary:* Presents some of the demonstrations in use at Princeton University for research in perception.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Dental activities, Walter Reed Army Medical Center** (*Motion picture*) U. S. Dept. of the Army, 1953.
18 min., sd., color, 16 mm.
Order no. PMF 5229.
*Summary:* Gives an overview of the dental activities at Walter Reed Army Medical Center, including the dental services for hospital patients, research in the dental laboratory, and professional education in the Medical Service Graduate School.
*Borrow from* Army. *Buy from* UWF.

**Dental amalgam: Failure caused by moisture contamination** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1948.
13 min., sd., color, 16 mm.
*Summary:* Demonstrates contamination with moisture, one of the common causes of amalgam failure, usually produced by mixing amalgam in the palm of the hand and by condensing amalgam in a wet field. Explains the chemical reactions in and the clinical results of such contamination. Describes a satisfactory technique for the prevention of contamination. For dental personnel.
*Borrow from* NBS. *Buy from* NBS.

**Dental assistants, their effective utilization** (*Motion picture*) U. S. Public Health Service, 1952. Made by De Frenes Co.
20 min., sd., color, 16 mm.
*Summary:* Shows how a dentist, through the use of trained assistants, can give better service to his patients and reduce his own fatigue.
*Borrow from* PHS. *Buy from* UWF.

**Dental burs in action** (*Motion picture*) U. S. National Bureau of Standards, in cooperation with U. S. Air Force Dental Service, 1955.
10 min., sd., color, 16 mm.
*Summary:* Explains the ability of different types of dental burs to cut hard and soft tooth structures, the achievement of rapid cavity preparation with a minimum of discomfort to the patient, and the need for selection of the proper cutting instrument. For dental personnel.
*Borrow from* NBS. *Buy from* NBS.

**Dental first aid** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1953.
20 min., sd., color, 16 mm.
Order no. MN 6723.
*Summary:* Shows a hospital corpsman, when a medical officer is not available, how to give simple dental first aid for simple tooth decay, inflamed pulp, root-end abscess, Vincent's infection, inflammation of the wisdom tooth area, and fractures of the jaw.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Dental health** (*Motion picture*) U. S. Dept. of the Army, 1958.
17 min., sd., b&w, 16 mm.
Order no. TF 8-2579.
*Summary:* Defines the soldier's responsibility for good oral hygiene and the standards and procedures for dental health. Describes the causes, symptoms, and effects of unhealthy teeth.
*Borrow from* Army.

**Dental materials: Specification and certification** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.
21 min., sd., color, 16 mm.
*Summary:* Describes the specification and certification program of the American Dental Association's research fellowship at the National Bureau of Standards. Explains the technical procedure used in the development of a specification, using silicate cement as an example. Intended to aid the dentist in a better understanding of the certification program of the American Dental Association.
*Borrow from* NBS. *Buy from* NBS.

**Dental X-ray equipment: Alteration for modern radiation hygiene** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1959.
18 min., sd., color, 16 mm. (Radiation hygiene series, no. 1)
*Summary:* Shows how good diagnostic X-ray pictures may be produced with a minumum amount of radiation to dental patients; explains procedures by which the dentist can check his X-ray equipment for collimation and filtration of the useful beam, tube head leakage, and adequate length of the timer cord; and demonstrates how the dentist can use high-speed film with the same 80,000 X-ray machines currently available in dental offices.
*Borrow from* NBS. *Buy from* NBS.

Dentistry series
see
Anterior acrylic bridgework. Part 2: Laboratory procedures
Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique

Dento-alveolar surgery series
see
Alveolectomy after multiple extraction of teeth
Alveolectomy and multiple pathology
Alveolectomy in extraction of isolated teeth
Excision of chronic periapical infections
Excision of gingival hypertrophy
Excision of mandibular tori
Removal of an impacted mandibular third molar by controlled sectioning

**Denture resin** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1949.
18 min., sd., color, 16 mm.
*Summary:* Shows the effect of impurities, pressure, temperature, rate of curing, duration of curing, mold surfaces, and water content on the dimensional accuracy and stability of dentures made from acrylic resins. Demonstrates denture-processing techniques. For dental personnel.
*Borrow from* NBS. *Buy from* NBS.

Dependence of quantities
see Beginning algebra I, lecture 5: Dependence of quantities

**Derivation of Pascal's law, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.
16 min., sd., b&w, 16 mm. (Elementary hyraulics series)
Order no. MN 1730-a.
*Summary:* Stresses the importance of hydraulic power aboard ship; demonstrates that oil is lighter than water; explains density, pressure, and force and how to determine each in a given amount of fluid.
*Borrow from* Navy. *Buy from* UWF.

**Derivation of Pascal's law, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.
18 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1730-b.
*Summary:* Demonstrates that liquids transfer force equally to all parts of a container; explains operation of several types of pressure gauges; reviews Pascal's law.
*Borrow from* Navy. *Buy from* UWF.

**Dermatology and syphilology. Part 1: Distribution patterns of lesions in the diagnosis of skin diseases** (*Filmstrip*) U. S. Dept. of the Army, 1956.
55 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-113.
*Summary:* Illustrates and explains the distribution patterns of lesions of some common skin diseases, including acne, rosacea, scabies, contact dermatitis, atopic dermatitis, pityriasis rosea, psoriasis, herpes zoster, fungus infections, syphilis, and lupus erythematosus. Uses drawings and actual photographs.
*Borrow from* Army.

**Dermatology and syphilology. Part 2: The sweat gland in health and disease** (*Filmstrip*) U. S. Dept. of the Army, 1957.
46 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-114.
*Summary:* Discusses normal and abnormal functioning of the eccrine and apocrine sweat glands, showing their relationship to health and various diseases. Covers the causes, symptoms, and treatment of two common disorders of these glands—hyperhidrosis and anhidrosis. Gives particular attention in the treatment of anhidrosis to the clinical aspect and treatment of miliaria. Describes clinical aspects of the apocrine glands, discussing infections and their treatment.
*Borrow from* Army.

**Dermatology and syphilology. Part 3: Bacterial skin infections** (*Filmstrip*) U. S. Dept. of the Army, 1957.
52 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-115.
*Summary:* Explains and illustrates common bacterial infections of the skin, covering the causes, treatment and prevention of these diseases. Shows how skin breaks down and becomes infected with pathogenic bacteria. Discusses the symptoms and treatment of primary and secondary infections, including impetigo, follioculitis, carbuncle, pyogenic granulomas, skin ulcers, cutaneous diphtheria, acne, and carcinoma.
*Borrow from* Army. *Buy from* UWF.

**Dermatology and syphilology. Part 4: Dermatitis and allergy** (*Filmstrip*) U. S. Dept. of the Army, 1957.
45 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-116.
*Summary:* Explains that primary irritants produce non-allergic dermatitis and that cutaneous sensitizers produce allergic contact dermatitis, and discusses causative agents, symptoms, treatment, and prevention of skin diseases in both categories. Shows patch tests that are useful in discovering the specific agents responsible for allergic contact dermatitis, and illustrates clinical and microscopical differences between dermal and epidermal sensitization.
*Borrow from* Army.

**Dermatology and syphilology. Part 5: Superficial fungus infections** (*Filmstrip*) U. S. Dept. of the Army, 1957.
56 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 18 min.
Order no. SFS 8-117.
*Summary:* Describes superficial fungus infections, covering the morphology and mycology, clinical diagnosis, and prescribed treatment for some of these infections, particularly ringworm, or tinea, the most common type of superficial fungus infection. Principal sites of ringworm are shown to be the scalp, beard, smooth skin of the body, groin, feet, hands, and nails. Examples of infections in each of these areas are illustrated and discussed.
*Borrow from* Army.

**Descriptive geometry: Finding the line of intersection of two solids** (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
Order no. MN 5344-a.
*Summary:* Methods of determining intersecting lines of a cylinder and a cone by passing planes through the objects on an orthographic drawing.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Design for environment** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
34 min., sd., color, 16 mm.
Order no. SFP 385.
*Summary:* Portrays a young scientist learning of the numerous tests conducted at air development centers to determine the effects of environmental stresses on materials, metals, electrical equipment, etc.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Design for growing** (*Motion picture*) U. S. Information Agency, 1954. Made by Herbert Kerkow. Released for public educational use in the United States through U. S. Office of Education, 1954.
33 min., sd., color, 16 mm.
*Summary:* Shows individual and group activities in the Cleveland public schools. Stresses the development of creative potentials of each child through the medium of the arts integrated with other features of the school curriculum. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Design for survival** (*Motion picture*) U. S. Dept. of the Army, 1953.
23 min., sd., b&w, 16 mm.
Order no. MF 38-7951.
*Summary:* Discusses the availability and uses of critical raw materials, emphasizing the need to create and strengthen a positive attitude towards conservation among those concerned with the design, planning, manufacture, and purchase of military equipment.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Designing a pattern for a water-cooled motor block** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 337.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a patternmaker studies a drawing for a single-cylinder water-cooled motor block; visualizes the shape of the casting; plans the general shape of the pattern; checks on core support; and plans the core boxes.
*Buy from* UWF.

**Designing a pattern for a water-cooled motor block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
41 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 337-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Designing a pattern for a water-cooled motor block
see also
Étude d'un modèle pour un bloc de moteur refroidi a l'eau

**Designing core boxes for a water-cooled motor block** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
12 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 338.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a patternmaker visualizes the water jacket, port cores, and the core in a mold; then designs the ram-up core and set-up core.
*Buy from* UWF.

**Designing core boxes for a water-cooled motor block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
30 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 338-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Detection of contaminated areas in biological and chemical warfare
see ABC warfare defense ashore: Detection of contaminated areas in biological and chemical warfare

**Detection, radio** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
33 fr., b&w, 35 mm.
Order no. SN 651.
*Summary:* Describes how a radio wave is detected and isolated.
*Borrow from* Navy. *Buy from* UWF.

**Determination of carbon dioxide power with Van Slyke gas apparatus** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
11 min., sd., b&w, 16 mm.
Order no. FTA 276.
*Summary:* Demonstrates the use of the Van Slyke blood gas apparatus in determining carbon dioxide content of the plasma.
*Borrow from* AF.

**Determination of types of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.
11 min., sd., b&w, 16 mm. (Laboratory diagnosis of diphtheria series, no. 2)
Order no. 4-088.2.
With utilization guide.
*Summary:* Shows procedures for determining cultural types of *Corynebacterium diphtheriae*, hemolysin and fermentation tests, and observation of colony forms.
*Borrow from* PHS. *Buy from* UWF.

**Determination of types of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1951.
54 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Laboratory diagnosis of diphtheria, no. 2)
Order no. 5-176.
Motion picture of the same title also available.
*Borrow from* PHS. *Buy from* UWF.

**Developing cooperation** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.
14 min., sd., b&w, 16 mm. (Supervision series)
Order no. MN 3425-c.
*Summary:* Discusses the importance of cooperation of workers on any job; and uses examples in industry to illustrate good and poor methods of developing cooperation.
*Borrow from* Navy. *Buy from* UWF.

**Developing homogeneous reactors** (*Motion picture*) U. S. Atomic Energy Commission, 1956.
23 min., sd., b&w, 16 mm.
*Summary:* Describes some of the most important stages in the development, construction, operation, and dismantling of homogeneous reactor, experiment no. 1, which was designed to operate at 1,000 kw. Shows testing of the most important reactor features, steps in assembling the reactor and operation of the reactor.
*Borrow from* AEC. *Buy from* Byron. *Cleared for tv.*

**Developing pastures establishing alfalfa under wind erosion hazard** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
39 double fr., color, 35 mm.
Order no. C–64.
With lecture notes.
*Summary:* A film report of studies on wind erosion control on irrigated lands, showing the development of alfalfa pastures at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
*Buy from* PhotoLab.

**Developing the negative** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.
16 min., sd., b&w, 16 mm. (Fundamentals of photography series)
Order no. MN 3386.
*Summary:* Shows chemistry and procedure in developing still camera film, and explains composition of the developing solution.
*Borrow from* Navy. *Buy from* UWF.

**Diabetic coma** (*Filmstrip*) U. S. Public Health Service, 1950.
33 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 5 min. (Taking care of diabetes series, no. 9)
Order no. 5–149.
*Summary:* Explains the reasons for and the symptoms of diabetic coma, and the methods of keeping diabetes under control in order to avoid diabetic coma.
*Borrow from* PHS. *Buy from* UWF.

**Diagnosis of bee diseases in the apiary** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
58 fr., b&w, 35 mm.
Order no. 171.
With lecture notes.
*Summary:* Shows symptoms of various diseases of bees and explains methods of control.
*Buy from* PhotoLab.

**Diagnosis of enterobiasis** (*Filmstrip*) U. S. Public Health Service, 1950.
40 fr., b&w, 35 mm.
Order no. 5–164.
*Summary:* Discusses the features of the life cycle of the pinworm, its migration habits, and the areas of its activity; mentions various methods of diagnosing enterobiasis through recovery of eggs and explains the disadvantages of these methods; and describes the cellulose tape method and its advantages.
*Borrow from* PHS. *Buy from* UWF.

**The diagnosis of peripheral nerve injuries** (*Motion picture*) U. S. Dept. of the Army, 1949.
16 min., sd., color, 16 mm.
Order no. PMF 5118.
*Summary:* Presents twelve cases of peripheral nerve injuries, and explains the more significant clinical findings. For medical personnel.
*Borrow from* Army.

**Diagnosis of primary syphilis** (*Filmstrip*) U. S. Public Health Service, 1949.
71 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5–657.
*Summary:* Discusses some common errors in the diagnosis of syphilis, the location of lesions, differences between syphilitic lesions and lesions caused by other diseases, and the importance of dark-field examinations.
*Borrow from* PHS. *Buy from* UWF.

**Diagnosis of syphilis by the general practitioner** (*Motion picture*) U. S. Public Health Service, 1954.
22 min., sd., color, 16 mm.
Revision of 1941 film with title, Syphilis.
*Summary:* Covers the diagnosis of early, latent, and late syphilis. For medical personnel.
*Borrow from* PHS. *Buy from* Byron.

**Diary of a sergeant** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm.
Order no. MF 8–1129.
*Summary:* Traces the treatment of an amputee in an army hospital and his rehabilitation, including his skillful manipulation of artificial arms and hands.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The diesel engine** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
29 min., sd., b&w, 16 mm.
Order no. MN 42–a.
*Summary:* Shows how ignition may be achieved by compression; describes basic diesel engine types; discusses forms of air headers and fuel injectors. Introductory survey film.
*Borrow from* Navy. *Buy from* UWF.

**Diesel engine fuel systems** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.
40 min., sd., b&w, 16 mm.
Order no. MN 46–a.
*Summary:* Shows the basic structure of diesel fuel systems, parts and operation of injectors and fuel pumps, and Bosch, General Motors, and Excello equipment.
*Borrow from* Navy. *Buy from* UWF.

**Diesel engine governors. Part 1: Woodward governors** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
14 min., sd., b&w, 16 mm.
Order no. MN 44–a.
*Summary:* Shows the operation of diesel engine governors and explains the operation of overspeed, overspeed trip, and regulating governors.
*Borrow from* Navy. *Buy from* UWF.

**Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.
12 min., sd., b&w, 16 mm.
Order no. MN 44–b.
*Summary:* Discusses three main assemblies of the governor and their functions. Reviews the operation of the manual fuel control to explain the action of the governor through low, intermediate, and high speed ranges.
*Borrow from* Navy. *Buy from* UWF.

Diesel engine governors series. Marquette governor
see
BMEP
Basic hydraulic governor
Powerhead
Speed drop

**The diesel engine: Scavenging and supercharging diesel engines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm.
Order no. MN 42–b.
*Summary:* Shows operation of two-stroke cycle, single and double acting engines, and opposed piston engines. Discusses method of scavenging and supercharging air.
*Borrow from* Navy. *Buy from* UWF.

**Diesel lubrication and cooling systems** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.
10 min., sd., b&w, 16 mm.
Order no. MN 45-a.
*Summary:* Parts of diesel lubricating and cooling systems and how they work in relation to each other.
*Borrow from Navy. Buy from UWF.*

**Diesel lubrication and cooling systems: Lubrication of the GM–71 series engines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm.
Order no. MN 45-b.
*Summary:* Shows, by the use of animation, the course of the oil through the engine; describes how it lubricates each component part; and explains the working principle of the ventilation system.
*Borrow from Navy. Buy from UWF.*

**The difficult ones. Part 1: Psychiatric problems met by the contact representative** (*Filmstrip*) U. S. Veterans Administration, 1946.
45 fr., b&w, 35 mm.
Similar version for V. A. hospital attendants released in 1947 under the title Your job and the psychiatric patient. Part 1: The psychiatric patient.
*Summary:* Reviews through the use of cartoons and captions some of the psychiatric behavior patterns likely to be exhibited by veterans in interviews with the V. A. contact representative.
*Borrow from VA.*

The difficult ones. Part 1: Psychiatric problems
met by the contact representative
see also
Your job and the psychiatric patient. Part 1:
The psychiatric patient

**The difficult ones. Part 2: Their effect on the contact representatives** (*Filmstrip*) U. S. Veterans Administration, 1946.
36 fr., b&w, 35 mm.
Similar version for V. A. hospital attendants released in 1947 under the title Your job and the psychiatric patient. Part 2: How the patient may affect the attendant.
*Summary:* Explains through the use of cartoons and captions some of the reactions of V. A. contact representatives to neuropsychiatric veterans whom they are interviewing, and urges such representatives to be objective, factual, and helpful.
*Borrow from VA.*

The difficult ones. Part 2: Their effect on the
contact representatives
see also
Your job and the psychiatric patient. Part 2:
How the patient may affect the attendant

**The difficult ones. Part 3: Getting help for the veterans with emotional problems** (*Filmstrip*) U. S. Veterans Administration, 1946.
41 fr., b&w, 35 mm.
Similar version for V. A. hospital attendants released in 1947 under the title Your job and the psychiatric patient. Part 3: The attendant helps the patient.
*Summary:* Suggests through the use of cartoons and captions ways in which V. A. contact representatives should conduct interviews with veterans having emotional problems.
*Borrow from VA.*

The difficult ones. Part 3: Getting help for the
veterans with emotional problems
see also
Your job and the psychiatric patient. Part 3:
The attendant helps the patient

**The dilemma of the U. S. foreign policy in the Middle East** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
40 min., sd., b&w, 16 mm.
Order no. OW 5.
*Summary:* George B. Allen, Asst. Secretary of State, explains to an officers' conference the geographical boundaries of the Middle East and South Asia, their political and strategic significance to the U. S., and the concept of the collective security program; and answers questions concerning political and social problems in the Middle East. Ernest K. Lindley of Newsweek acts as moderator.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Dimpling and countersinking** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
21 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 4)
Order no. OE 139.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How dimpling and countersinking prepare metal for flush riveting; how to operate a dimpling machine; and countersink work for flush rivets.
*Buy from UWF.*

**Dimpling and countersinking** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
37 fr. b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 4)
Order no. OE 139-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**The diode: Principles and applications** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
17 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 2)
Order no. OE 176.
Supplemented by filmstrip with same title.
With instructor's manual.
*Summary:* Principles of electron flow across a gap; basic features of the diode tube; control of electron flow in the tube; photoelectric cells; X-ray tubes; and the diode as a rectifier.
*Buy from UWF.*

**The diode: Principles and applications** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
58 fr., b&w, 35 mm. (Engineering series. Electronics, no. 2)
Order no. OE 176-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from UWF.*

**Direct current controllers** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
17 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 1)
Order no. OE 208.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Shows about motors and direct current controllers in operation; and by animation, a direct current faceplate controller connected to a shunt motor.
*Buy from UWF.*

**Direct current controllers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
27 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 1)
Order no. OE 208-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Direction, orientation, and location with compass** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
28 min., sd., b&w, 16 mm. (Basic map reading series, no. 3)
Order no. TF 5-1791.
Revision of 1945 film with same title, order no. TF 21-2073.
*Summary:* Gives detailed instructions on how to travel cross-country with the aid of a map and a compass. Explains the difference between true and magnetic north and how the compass is used to orient the map, locate one's position, and locate distant objects.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Direction, orientation, and location without a compass** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm. (Basic map reading series, no. 4)
Order no. TF 5-1790.
A revision of the 1945 film with the same title.
*Summary:* Explains how to identify map symbols; determine position by ground features and distant objects; compute distances and locate objects on a map; understand the use of horizontal and vertical lines; and determine a course by sun and stars.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Directional valves** (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
96 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm. 18 min. (Hydraulic valves)
Order no. SN 1609-d.
*Summary:* Presents an elementary explanation of the purpose, construction, operation, and use of directional valves. Differentiates between the various types of directional valves; discusses common casualties, causes and remedies, and other types of valves encountered in hydraulic systems.
*Borrow from Navy.*

**Disassembling the engine** (*Motion picture*) U. S. Office of Education, 1943. Made by Audio Productions.
13 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 208.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to remove the oil sump, valve tappet, and gear case cover assemblies; separate crankcase; remove crankshaft assembly and camshaft; and disassemble crankshaft and gear case cover assemblies.
*Buy from UWF.*

**Disassembling the engine** (*Filmstrip*) U. S. Office of Education, 1943. Made by Audio Productions.
38 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 208-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
39 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 2795-a.
*Summary:* How to inspect blower rotors and pistons; remove head and scrape wear ridge; remove connecting rod bearing; and pull one piston and one liner in piston assembly.
*Borrow from Navy. Buy from UWF.*

**Disassembly, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)
Order no. MN 2964-a.
*Summary:* Demonstrates methods of inspection for all possible parts with methods of removal for all lines and parts in a complete breakdown of the engine.
*Borrow from Navy. Buy from UWF.*

**Disassembly, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)
Order no. MN 2964-b.
*Summary:* Step-by-step demonstration of tools used in disassembly of engine for either overhaul or maintenance, concluding with a review of the important steps of disassembly.
*Borrow from Navy. Buy from UWF.*

**Disassembly of the 8-268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
27 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)
Order no. MN 209-a.
*Summary:* Demonstrates how to remove air lines, manifold, rocker arm assembly, piston, lever, injector, and cylinder head; stresses precautions to be observed.
*Borrow from Navy. Buy from UWF.*

**Disassembly series**
see Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly

**Disaster aid: Public health aspects** (*Motion picture*) U. S. Public Health Service, 1955.
11 min., sd., b&w, 16 mm.
Order no. M 198.
*Summary:* Explains the health problems created by natural disasters and the methods used to solve these problems, using as an example a flood and the role of local, State, and Federal health agencies in combatting the resultant public health dangers.
*Borrow from PHS. Buy from UWF.*

**Disaster feeding** (*Motion picture*) U. S. Dept. of the Army, 1960.
27 min., sd., b&w, 16 mm.
Order no. TF 10-2846.
*Summary:* Emphasizes the need for a civil defense plan in every community for feeding the population in the event of a natural or man-made disaster. Tells what such a plan consists of, and how it is put into action.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Discipline: Giving orders** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.
15 min., sd., b&w, 16 mm.
Order no. MN 2088-a.
*Summary:* Explains how to give clear orders and maintain office discipline; and contrasts the results of gaining workers' confidence with those of instilling fear in employees.
*Borrow from Navy. Buy from UWF.*

**Discipline: Reprimanding** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.
10 min., sd., b&w, 16 mm.
Order no. MN 2088-b.
*Summary:* Shows examples of proper and improper reprimanding of employees by supervisors and how the efficiency and production of an office can be increased or decreased depending upon how a situation is handled.
*Borrow from Navy. Buy from UWF.*

**Discussion technique** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.
29 min., sd., b&w, 16 mm.
Order no. AFIF 1.
*Summary:* Shows how to conduct a discussion by forum, symposium, debate, panel, conference, and committee techniques; and how to stimulate independent thinking and free interchange of ideas among enlisted personnel.
*Borrow from Army. Buy from UWF.*

**Disease and personal hygiene** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm. (The stowaway series, no. 1)
Order no. TF 8-1501.
*Summary:* Shows ways in which the spread of disease is caused by careless personal hygiene of food handlers, and presents sanitary precautions and remedies.
*Borrow from Army. Buy from UWF.*

**Diseases of cabbage and related crops** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Cornell University, 1936.
53 fr., b&w, 35 mm.
Order no. 406.
With lecture notes.
*Summary:* Shows causes and effects of diseases that injure cabbage and related crops; explains methods of controlling these diseases.
*Buy from PhotoLab.*

**Diseases of cereals** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
61 double fr., color, 35 mm.
Order no. C-4.
With lecture notes.
*Summary:* Shows some of the common diseases of cereals, their symptoms and effects upon plants.
*Buy from PhotoLab.*

**Diseases of fruits** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
53 double fr., color, 35 mm.
Order no. C-5.
With lecture notes.
*Summary:* Shows some of the common diseases of fruits, their symptoms and effects.
*Buy from PhotoLab.*

**Diseases of the mouth** (*Filmstrip*) U. S. War Dept., 1945.
37 fr., color, 35 mm.
Order no. FS 8-100.
*Summary:* Shows clinical manifestations of 20 diseases of the mouth, including Vincent's infection, herpes labialis, apthous ulcer, herpetic stomatitis, etc. For medical personnel.
*Borrow from Army.*

**Disenteria** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Portuguese version of Prevent dysentery.
*Summary:* Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.
*Buy from UWF. Cleared for tv.*

**Disenteria** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of Prevent dysentery.
*Summary:* Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.
*Buy from UWF. Cleared for tv.*

**Disinfection of clinical thermometers. Part 1: Oral thermometers** (*Filmstrip*) U. S. Public Health Service, 1952.
67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 119.
*Summary:* Demonstrates procedures to be followed in cleaning and disinfecting oral thermometers.
*Borrow from PHS. Buy from UWF.*

**Dismounted drill** (*Motion picture*) U. S. Dept. of the Army, 1955.
32 min., sd., b&w, 16 mm.
Order no. TF 7-1947.
*Summary:* Explains and demonstrates the purpose and nature of drill, commands, command voice, and basic formations and movements of a squad and platoon.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Disorders of the extra-pyramidal system and the posterior columns** (*Motion picture*) U. S. Public Health Service, 1938.
20 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 2)
*Summary:* Presents cases of Parkinsonism, chronic epidemic encephalitis, Huntington's chorea, Sydenham's chorea, congenital athetosis, choreoathetosis, striate rigidity, tabic ataxia, and tabes dorsalis. For medical personnel.
*Borrow from PHS or VA. Buy from PCR.*

**Disorientation crashes** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1950.
5 min., sd., b&w, 16 mm. (Flight safety series)
Order no. MN 4353-c.
*Summary:* A cartoon stressing the need for pilots to use and trust their instruments rather than fly by "feel."
*Borrow from Navy.*

Distilling plants series. Low pressure type
see
Griscom-Russell: How it works, part 1
Griscom-Russell: How it works, part 2

**Ditching investigation of a jet transport with various engine installations, part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
10 min., si., b&w, 16 mm.
Order no. L-292.
*Summary:* Motion pictures of tests conducted in a hydrodynamic tank of a model of a jet transport airplane to determine the probable ditching behavior in calm water and the best ditching procedure. Various conditions of damage, engine installations, landing attitude, speeds, and flap settings were investigated. For technical personnel to be used with NACA Research memorandum L56G10: Model Ditching investigation of a jet transport airplane with various engine installations.
*Borrow from NASA.*

**Ditching investigation of a 1/15-scale model of the Convair liner airplane; part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.
7 min., si., b&w, 16 mm.
*Summary:* Shows calm-water ditching tests at various landing attitudes with model undamaged and with scale-strength sections. Landing flaps are tested in up position and with two conditions of failure simulated when in the extended position. For technical personnel, to be used with NACA Technical note 3946: Ditching investigations of dynamic models and effects of design parameters on ditching characteristics.
*Borrow from NASA.*

**Ditching investigation of a 1/24-scale model of the Douglas C-124 airplane; part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.
6 min., si., b&w, 16 mm.
*Summary:* Shows calm-water ditching tests at various landing attitudes and flap settings. Includes ditchings with model undamaged and with scale-strength sections. For technical personnel, to be used with NACA Technical note 3946: Ditching investigations of dynamic models and effects of design parameters on ditching characteristics.
*Borrow from NASA.*

**Ditching techniques for transport aircraft: Communications, sea evaluation, headings and landings** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
26 min., sd., color, 16 mm.
Order no. TF 1-5271a.
*Summary:* Outlines steps to minimize hazards of ditching when a forced landing is anticipated at sea. Major teaching points include transmission of distress calls, evaluation of sea conditions, procedures for landing, and methods of obtaining proper headings.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Ditching techniques for transport aircraft: Preparation and evacuation for aircrew** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
15 min., sd., color, 16 mm.
Order no. TF 1-5271b.
*Summary:* Demonstrates preparations and procedures for safe evacuation of transport passengers over open sea. Covers inflight checks, precautionary measures before touchdown, and procedures after touchdown. Describes rules to follow for orientation of passengers, such as fastening safety belts, donning life jackets, operating safety hatches, and boarding life rafts.
*Borrow from AF. Buy from* UWF. *Cleared for tv.*

**Divide and conquer** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945; and through U. S. Office of Education, 1949.
60 min., sd., b&w, 16 mm. (Why we fight series)
Order no. OF 3.
*Summary:* Documentary film record of the German attack upon and conquest of Belgium, Holland, and France in 1940.
*Borrow from* Army. *Buy from* UWF.

**Dividers, parallel rulers, protractors** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
33 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-h, formerly SG 3883-h.
*Summary:* Explains the physical characteristics and uses of dividers, a parallel ruler, and a protractor.
*Buy from* UWF.

The diving dress
see Deep sea diving: The diving dress

**Do it with E's** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
23 min., sd., color, 16 mm.
With in-service guide.
*Summary:* Demonstrates three E's of safety—education, engineering, and enforcement—through illustrative examples showing the work of forest rangers in the prevention of accidents.
*Rent from* DA film libraries. *Buy from* UWF.

**The do it yourself peace** (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. MF 45-8709.
*Summary:* A U. S. Army reserve recruiting film developing the theme of strength in reserve as the foundation for peace. Describes the inventive genius and building talents of the Nation throughout its history; discusses engineering, automotive, and mechanical achievements; and points out the need to build a similar military defense.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Do unto animals** (*Motion picture*) U. S. Dept. of Agriculture, 1939.
22 min., sd., b&w, 16 mm.
*Summary:* Shows shipping methods sponsored by the U. S. Dept. of Agriculture and the National Livestock Loss Prevention Board to reduce injuries to animals during shipment to market.
*Rent from* DA film libraries. *Buy from* UWF.

**Do you know?** (*Filmstrip*) U. S. Dept. of Agriculture, 45.
28 fr., b&w, 35 mm.
Order no. 665.
With lecture notes.
*Summary:* Shows through a series of quiz pictures how to prevent accidents in the farm home and on the farm.
*Buy from* PhotoLab.

**Docking with keel and bilge blocks** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2352-b.
*Summary:* Explains by animation and demonstrates the procedures for docking from flooding of the dock to final securing.
*Borrow from* Navy. *Buy from* UWF.

**The doctor** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
14 min., sd., b&w, 16 mm. (Ohio town series)
*Summary:* Shows small town Ohio doctor and his daily activities—examining school children, visiting patients, relaxing with his family.
*Buy from* UWF.

**Dollars and sense: The Army financial management plan** (*Motion picture*) U. S. Dept. of the Army, 1956.
34 min., sd., b&w, 16 mm.
Order no. MF 20-8635.
*Summary:* Explains the objective and features of the Army financial management plan including cost of performance budget, consumer funding, stock fund, industrial fund, integrated accounting, financial property accounting, and internal audit.
*Borrow from* Army.

Domestic units series
see Refrigeration service series. Domestic units

**Domestic vector control by basic sanitation** (*Filmstrip*) U. S. Public Health Service, 1958.
49 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min.
Order no. SPF 296.
*Summary:* Shows how common vectors of diseases (flies, rats, mosquitoes, and roaches) thrive on unsanitary conditions in and around the home, and demonstrates some simple sanitary practices which can help control these vectors.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**Don't be a sucker** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.
24 min., sd., b&w, 16 mm.
Order no. EF 6.
Revision of 1945 film with same title.
*Summary:* A dramatized story portraying the use by the Nazis of racial and religious prejudices in order to turn minority groups against each other.
*Borrow from* Army. *Buy from* UWF.

**Don't blame lightning** (*Motion picture*) U. S. Dept. of Agriculture, 1950.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 1, no. 3)
*Summary:* Smokey Bear explains the rules of safety with fire in the woods.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Don't let it happen** (*Motion picture*) U. S. Dept. of Agriculture, 1950.
11 min., sd., b&w, 16 mm.
Released in 1948 under title Then it happened.
*Summary:* A documentary record of the Maine forest fire in 1947. Shows how the fire started, spread, and destroyed farms, villages, and forests before it was brought under control. Emphasizes the need for forest fire prevention and fire control measures.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

Don't let it happen
see also
Then it happened

**Doping technique** (*Motion picture*) U. S. Navy Dept., 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.
10 min., sd., b&w, 16 mm.
Order no. MN 68.
*Summary:* Explains the necessity for dope in airplane fabric covering and demonstrates the techniques of brushing, spraying, sanding, hand rubbing, and waxing.
*Borrow from* Navy.

**Double carrick bend** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 303, formerly MG 2319–a.
Supplementary filmstrip of same title also available.
*Summary:* Explains that the double carrick bend is commonly used in pinning two hawsers, and demonstrates how to tie the knot correctly.
*Buy from* UWF.

**Double carrick bend** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
23 fr., b&w, 35 mm.
Order no. SCG 303, formerly SG 2319–b.
Supplements motion picture of same title.
*Summary:* Demonstrates how to tie and untie a double carrick bend.
*Buy from* UWF.

**Double ram vertical surface broaching** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
30 min., sd., b&w, 16 m. (Machine shop work series. Operations on a broaching machine, no. 3)
Order no. OE 238.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to assemble broaching inserts; mount and adjust the work fixtures; set trip dogs for the ram stroke; measure the workpiece after trial broaching; and surface-broach at a production rate.
*Buy from* UWF.

**Double ram vertical surface broaching** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
34 fr., b&w, 35 mm. (Machine shop work series. Operations on a broaching machine, no. 3)
Order no. OE 238–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Down where North begins** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
21 min., sd., color, 16 mm.
*Summary:* Gives an overview of Ecuador—geographical regions, industries and handicrafts, city and country life, people, scenery, and native animals.
*Buy from* UWF.

**Drafts and slings** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm. (Military stevedoring series, no. 4)
Order no. TF 55–1117.
*Summary:* Shows how to use sling or cargo net, pallet sling, and pie plate in handling cargo from docks and warehouses to holds.
*Borrow from* Army. *Buy from* UWF.

**Drainage** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm. (Military roads series, no. 2)
Order no. TF 5–1194.
*Summary:* Demonstrates methods of constructing ditches and open and covered culverts; stresses the importance of drainage.
*Borrow from* Army. *Buy from* UWF.

**The drama of steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Inland Steel Co., 1946.
34 min., sd., b&w, 16 mm.
Order no. 218.
*Summary:* Shows the uses of steel in homes, industry, and national defense; portrays early methods of making steel and, in contrast, scenes of modern open-pit mining of iron ore and its conversion into steel in modern furnaces and mills; reviews the industrial uses of steel.
*Borrow from* BM. *Cleared for tv.*

**Drawing, stretching, and stamping** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.
22 min., sd., b&w, 16 mm. (How to form aluminum series)
Order no. 207.
*Summary:* Explains the properties of cold-working and heat-treatable aluminum alloys; the uses of single-action and double-action draw presses; operation of a "stretch press" and drop hammer; the differences between stamping, embossing, and coining; the functions of closed and rubber-faced dies; and the making of merchandise tokens.
*Borrow from* BM. *Cleared for tv.*

**Dress rehearsal** (*Motion picture*) U. S. Dept. of the Army, 1952.
13 min., sd., b&w, 16 mm.
Order no. MF 20–7924.
*Summary:* Shows the final period of U. S. Army basic training, the "attack course" designed as a dress rehearsal of battle conditions.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Dressing up sentences
see Practical English usage I, lecture 13 [–16]: Dressing up sentences

**The drill press** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
10 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)
Order no. OE 71.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Functions, characteristics, and basic operations of the drill press.
*Buy from* UWF.

**The drill press** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
32 fr., b&w, 35 mm. (Machine shop work series. Basic machines)
Order no. OE 71–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The drilled well: Sanitary aspects** (*Filmstrip*) U. S. Public Health Service, 1954.
87 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 46.
*Summary:* Shows suitable sanitary methods for constructing a drilled well, importance of proper site location and well construction, use of the drilling rig, installation and purpose of steel casing, and defects of drilled wells of improper construction. For sanitarians and sanitary engineers.
*Borrow from* PHS. *Buy from* UWF.

**Drilling a hole in a pin** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.
10 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Sensitive drill, no. 1)
Order no. OE 46.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to lay out two holes at each end of a short 1½ inch diameter pin; and drill the holes using the sensitive drill press.
*Buy from* UWF.

**Drilling a hole in a pin** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
35 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Sensitive drill, no. 1)
Order no. OE 46–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Drilling a well by the percussion method** (*Motion picture*) U. S. Public Health Service, 1952.
6 min., sd., color, 16 mm.
Order no. M 46.
*Summary:* Explains the percussion well-drilling rig, the well-drilling tool, procedures in drilling the well, installation of casings, and use of a bailer in removing sludge and dirty water.
*Borrow from* PHS. *Buy from* UWF.

**Drilling and tapping cast steel** (*Motion picture*) U. S. Office of Education, 1942. Produced by Emerson Yorke Studio.
19 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 1)
Order no. OE 22.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to drill and tap blind holes in cast steel on a radial drill, using a jib with a loose drill bushing to locate the holes.
*Buy from* UWF.

**Drilling and tapping cast steel** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
48 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 1)
Order no. OE 22-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Drilling, boring, and reaming work held in chuck** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.
11 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 4)
Order no. OE 9.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to drill a workpiece held in lathe chuck; bore a tapered hole with the taper-turning attachment; check the accuracy of the hole; and ream a tapered hole to finish size.
*Buy from* UWF.

**Drilling, boring, and reaming work held in chuck** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
47 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 4)
Order no. OE 9-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Drilling in metal, wood, and plastics** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.
23 min., sd., b&w, 16 mm.
Order no. MN 142.
*Summary:* Points out the six basic steps in drilling, and demonstrates how to lay out wood and plastics with drill press, electric drill, and hand drills.
*Borrow from* Navy. *Buy from* UWF.

**Drilling, tapping, stub-boring, and reaming** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 6)
Order no. OE 230.
With instructor's manual. Supplementary filmstrip of same title.
*Summary:* How to drill and machine-tap a hole; use a core drill; use a stub-boring bar for rough- and finish-boring and counterboring; and use an adjustable reamer and a floating reamer.
*Buy from* UWF.

**Drilling, tapping, stub-boring, and reaming** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
29 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 6)
Order no. OE 230-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Drilling to a layout and spotfacing cast iron** (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.
15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 2)
Order no. OE 23.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up a job on the table of a radial drill press; drill holes to a layout; and spotface the holes.
*Buy from* UWF.

**Drilling to a layout and spotfacing cast iron** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
37 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Radial drill, no. 2)
Order no. OE 23-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Drilling with portable drill motors** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
17 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 3)
Order no. OE 138.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use a portable electric drill motor; select a drill; insert the drill in a chuck; check the drill for true-running; and install and use a special attachment for drilling.
*Buy from* UWF.

**Drilling with portable drill motors** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
45 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 3)
Order no. OE 138-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Driving and bucking rivets** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 5)
Order no OE 140.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up and adjust a rivet gun; drive and buck rivets; and how a riveter and a bucker work together as a team.
*Buy from* UWF.

**Driving and bucking rivets** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
47 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 5)
Order no. OE 140-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Driving the semi-trailer** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm.
Order no. TF 55-1478.
*Summary:* Explains checking procedure for safety and protection of equipment, and shows how to back a trailer up to a platform for loading or unloading.
*Borrow from* Army. *Buy from* UWF.

**A drop in the bucket** (*Motion picture*) U. S. Public Health Service, 1952. Made by Warner Pathé.
13 min., sd., color, 16 mm.
*Summary:* Dramatized story of how dentists, civic leaders, health officials, and people of a town agreed to add fluoride to their community water supply. Explains how the fluoride is added, the cost of fluoridation, and the benefits accruing to the community.
*Borrow from* PHS. *Buy from* UWF.

**Drop zone** (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., b&w, 16 mm.
Order no. TF 31–1854.
*Summary:* Explains the characteristics of and phases in a typical airborne operation of the U. S. Army.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Drying ear corn with forced air** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
43 fr., b&w, 35 mm.
Order no. 697.
With lecture notes.
*Summary:* Explains the advantages of drying ear corn before storing, and particularly of using forced heated air. Shows methods of making a farm corn crib suitable for drying.
*Buy from* PhotoLab.

**The dug well: Sanitary aspects** (*Filmstrip*) U. S. Public Health Service, 1954.
72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 47.
*Summary:* Public health aspects of dug wells including principles relative to site selection, aspects of construction, types of pumps and their installation, disinfection and sampling of water.
*Borrow from* PHS. *Buy from* UWF.

**"Dusty": How to wage war on dust** (*Filmstrip*) U. S. Veterans Administration, 1956.
41 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
*Summary:* Uses cartoon characters to illustrate procedures of dusting in hospitals.
*Borrow from* VA. *Buy from* UWF.

**Duties of a hospital corpsman** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.
16 min., sd., b&w, 16 mm.
Order no. MN 6938.
*Summary:* Shows the importance of corpsmen both in peacetime and in combat; points out some of the varied activities in which a corpsman might specialize; presents the role of the Hospital Corps and its men as an important accomplishment of the Navy.
*Borrow from* Navy.

**Duties of a jumpmaster** (*Motion picture*) U. S. Dept. of the Army, 1955.
33 min., sd., b&w, 16 mm.
Order no. TF 31–1927.
*Summary:* Describes the specific duties of the jumpmaster prior to and during flight of a typical airborne operation. "Operation Bumblebee."
*Borrow from* Army.

**Dynamic exercises for lower extremity amputees** (*Motion picture*) U. S. Veterans Administration, 1959.
10 min., sd., color, 16 mm.
*Summary:* Starting with a demonstration of normal walking, broken down into all of its components, with special emphasis on the relationships of body segments during the transfer of body weight, the patient is taken through his entire exercise procedure from examination by the physician to his exercise routine under supervision and demonstration in utilization of his prosthesis in walking and in meeting his daily functional demands.
*Borrow from* VA.

**Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.
15 min., si., b&w, 16 mm.
*Summary:* Shows tests in still air, conducted in the facility for flight testing hovering models at an NACA free-flight tunnel section, of an experiment model of a vertically rising airplane, which can take off and land vertically like a helicopter, having four wings arranged in a cascade and four propellers with thrust axes essentially parallel to the fuselage axis and distributed along the span so that the wings are completely immersed in the slipstream. A record film for technical personnel, to be used with NACA Technical note 3198: Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight.
*Borrow from* NASA.

**Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings, and hovering flight** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
6 min., si., b&w, 16 mm.
*Summary:* Illustrates the results of flights of a delta-wing vertically rising airplane model in a free-flight tunnel investigation to determine the stability and control characteristics in take-off, landing, and hovering phases of flight. The model has a dual-rotating propeller in a tractor arrangement, a modified triangular wing, and modified triangular vertical-tail surfaces mounted symmetrically above and below the fuselage, but has no horizontal tail. Control is provided by elevons and rudders operating in the slipstream. For technical personnel, to be used with NACA Research memorandum L51H13a: Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings, and hovering flight.
*Borrow from* NASA.

**Dynamic stability and control characteristics of a ducted-fan model in hovering flight** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.
6 min., si., b&w, 16 mm.
*Summary:* Illustrates the results of flights of a simple ducted-fan model in a free-flight tunnel investigation to provide some basic information on the stability and control of jet vertically rising airplanes in hovering flight. The model consists of an 18-inch diameter dual-rotating propeller in a shroud 4 feet long. Control is provided by [illegible] movable surfaces at the rear of the shroud. The investigation consisted mainly of flight tests with the model hovering at altitude and near the ground. For technical personnel, to be used with NACA Research memorandum L54C18: Dynamic stability and control characteristics of a ducted-fan model in hovering flight.
*Borrow from* NASA.

**Dynamite** (*Motion picture*) U. S. Public Health Service, 1944.
12 min., sd., b&w, 16 mm. (Malaria control series)
Order no. 4-029.1.
*Summary:* Shows the preliminary activities and the blasting which drained Ward's Brake, a large quagmire in the bottom lands of Arkansas, as part of a malaria control program.
*Borrow from* PHS.

## E

**E facil comer bem** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Saúde para as Américas)
Portuguese version of Planning for good eating.
*Summary:* Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.
*Buy from* UWF. *Cleared for tv.*

**The E–1 survival kit** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

44 min., sd., color, 16 mm.

Order no. TF 1–4832.

*Summary:* Shows methods of survival through the proper use of the E–1 survival kit by a combat crew forced down over enemy territory.

*Borrow from* AF. *Cleared for tv.*

**The E–6B computer: Solution of wind triangles** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

57 fr., b&w, 35 mm.

Order no. FS 1–423.

*Summary:* Describes the construction of the computer, states the rules for using the computer to solve vector triangles, and shows how to solve typical vector triangles with the aid of the computer.

*Borrow from* AF.

**The eagle's strength** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

27 min., sd., color, 16 mm.

Order no. SFP 688.

Third edition of the 1957 motion picture of the same title.

*Summary:* Portrays the story of the Air Matériel Command and its vital mission of keeping our complex, mobile, and technical Air Force battle ready in the rocket age. Introduction by General Edwin W. Rawlings.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Early care of plastic surgical cases series
see
Wounds of the face and jaw
Wounds of the hand

**Early care of the patient with a spinal cord injury** (*Motion picture*) U. S. Dept. of the Army, 1960.

17 min., sd., b&w, 16 mm.

Order no. PMF 5323.

*Summary:* Portrays the early care of the patient with a spinal cord injury. Salient teaching points cover: proper placement on litter; evacuation and transportation; surgery for open and closed wounds; skeletal traction for fractures of vertebrae; tracheotomy; relief of pain by tranquilizers and surgery; bladder care; bowel care; use of Stryker frame; skin care; heat stroke care; dietary care; physical medicine; and occupational therapy. Emphasizes the cooperative action of the whole medical team in the proper care of the patient.

*Borrow from* Army.

**Early pericardiectomy in tuberculous pericarditis** (*Motion picture*) U. S. Veterans Administration, 1957.

20 min., sd., color, 16 mm.

*Summary:* Demonstrates adhesive changes, decortication technique with associated liberation, and post-operative course of a patient with tuberculous pericarditis; emphasizes the value of pericardiectomy early in the treatment of the disease.

*Borrow from* VA.

**The earth** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

17 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 53–a.

*Summary:* Explains the arrangement and meaning of the poles, great circles, parallels, meridians, longitude, latitude, nautical mile, and departure. College level.

*Borrow from* Navy. *Buy from* UWF.

**Easier ways of logging** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

38 min., sd., color, 16 mm.

*Summary:* Demonstrates recommended logging practices with particular emphasis on methods for farmers and small woodland owners in the eastern United States. Explains the sources of information on logging.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Eastern white pine** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

19 min., sd., color, 16 mm.

*Summary:* Explains the importance of the management and protection of white pine and the significance of control programs for blister rust and pine weevil. Portrays the work of a farm forester in giving helpful advice to private woodland owners. Shows values that follow good management practices and control of pests.

*Rent from* DA film libraries. *Cleared for tv.*

**Easy ways to make a banged-up apple crop** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

33 double fr., b&w, 35 mm.

Order no. 702.

*Summary:* Shows incorrect and correct methods of handling apples from picking to marketing.

*Buy from* PhotoLab.

**Eating for good health** (*Filmstrip*) U. S. Public Health Service, 1950.

46 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Taking care of diabetes series, no. 2)

Order no. 5–142.

*Summary:* Stresses the importance of diet in diabetes control and suggests ways of planning meals.

*Borrow from* PHS. *Buy from* UWF.

**The Economic and Social Council at work** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

20 min., sd., b&w, 16 mm.

*Summary:* Explains the functions of the Economic and Social Council of the United Nations and shows the improvements that this organization has brought about in Haiti. Prepared for use in occupied areas.

*Buy from* UWF.

**Economy is everybody's business** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1952.

15 min., sd., b&w, 16 mm.

Order no. AFIF 8.

*Summary:* Shows how the Federal Government functions as a management organization; the need for peacetime preparedness; and how to secure a balance between military and civilian requirements.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Edition Tokyo** (*Motion picture*) U. S. Dept. of the Army, 1950.

9 min., sd., b&w, 16 mm.

Order no. M 45–7744.

*Summary:* How a Japanese free press, developed under U. S. occupation forces, informs citizens of world-wide and local events to foster democratic public opinion. The story of a typical newspaper, the Yomiuri.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Education '57** (*Motion picture*) U. S. Office of Education, 1958. Made by the Westinghouse Broadcasting Co.

30 min., sd., b&w, 16 mm.

*Summary:* Reviews the major current problems in U. S. education, particularly the shortages of classrooms and of qualified teachers, and urges citizens to support their schools. Narrated in part by L. G. Derthick, U. S. Commissioner of Education. Includes a statement by Marion B. Folsom, Secretary of Health, Education, and Welfare.

*Buy from* UWF. *Cleared for tv.*

**Education for peace** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

11 min., sd., b&w, 16 mm.

*Summary:* Explains how the American Friends Committee works in behalf of world peace and understanding through international seminars and work camps. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Effect of air flow on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.
15 min., si., b&w, 16 mm.
Order no. TF 4.
With lecture notes.
*Summary:* Shows through high-speed pictures (2,200 photographs per second) forced air flow in the combustion chamber of a high-speed Diesel engine, and the effects on combustion of air movement in mixing air and fuel. A record film for technical personnel, to be used with NACA Report 588: Fuel spray and flame formation in a compression-ignition engine employing air flow.
*Borrow from* NASA.

**Effect of controls** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
54 fr., b&w, 35 mm.
Order no. FS 1-98.
*Summary:* Explains the functions and operation of basic controls in an airplane. Includes the stick, rudder pedals, proper control pressures, and the use of control in turning maneuvers.
*Borrow from* AF. *Buy from* UWF.

**The effect of ionizing radiation on domestic animals** (*Motion picture*) U. S. Dept. of the Army, 1957.
22 min., sd., b&w, 16 mm.
Order no. PMF 5316.
*Summary:* Portrays the chronological development of symptoms in a group of burros experimentally exposed to ionizing radiation. Gives particular attention to the techniques used to demonstrate radiation and physiological changes in the biochemistry, hematology, histopathology, and the radiometric laboratory.
*Borrow from* Army.

**Effective study methods** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
43 fr., b&w, 35 mm.
Order no. FS 1-63.
*Summary:* Discusses proper study conditions—temperature, quiet, lighting, etc.; and study techniques—note-taking, outlining, planning the method of study, use of references, relating theory to practical experience, and understanding relationships.
*Borrow from* AF. *Buy from* UWF.

**Effective use of visuals in agriculture** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.
16 double fr., color, 35 mm.
Order no. C-44.
*Summary:* Explains the importance of visualizing agricultural information and the principles of such visualization.
*Buy from* PhotoLab.

**Effective utilization of manpower in the U. S. Army** (*Motion picture*) U. S. Dept. of the Army, 1952.
23 min., sd., b&w, 16 mm.
Order no. MF 45-7928.
*Summary:* Discusses the U. S. Army program for the effective use of military and civilian manpower.
*Borrow from* Army. *Cleared for tv.*

**Effective writing** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., b&w, 16 mm.
Order no. TF 1-5072.
*Summary:* Describes communication from the concrete symbols of the cave man to the prolixities and ambiguities of some current Government writing. Explains the rules for organizing material and gives various examples of ineffective writing with recommendations for improvement.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Effects of atomic bomb explosions** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm.
*Summary:* Explains the differing effects of the various types of detonations, the relative importance of blast effects, and the thermal and nuclear radiations in each type of explosion. Produced under the supervision of the Armed Forces Special Weapons Project.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.
15 min., si., b&w, 16 mm.
Order no. TF 6.
With lecture notes.
*Summary:* Shows through high-speed motion pictures (2,200 photographs per second) the injection of fuel through various types of nozzles into the combustion chamber of a high-speed Diesel engine, the mixing of air and fuel, and the resultant combustion. A record film for technical personnel, to be used with NACA Report 561: Effect of nozzle design on fuel spray and flame formation in a high-speed compression-ignition engine."
*Borrow from* NASA.

**The effects of the ionosphere on radio wave propagation** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
29 min., sd., b&w, 16 mm.
Order no. TF 11-1632.
*Summary:* Explains the characteristics of propagated radio waves at various frequencies, ground and sky waves, effect of the ionosphere on sky waves, and the effects of favorable and unfavorable atmospheric conditions.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Effects of weather on tactical operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
27 min., sd., b&w, 16 mm.
Order no. TF 1-5019.
*Summary:* Explains how to plan for weather and shows weather effects on Air Force and Army intelligence tactics.
*Borrow from* AF. *Cleared for tv.*

**Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
9 min., si., color, 16 mm.
*Summary:* Records the results of flight tests in a wind tunnel of three configurations of a remotely controlled free-flight model of a jet-powered delta-wing vertically rising airplane during transition from hovering to normal forward flight. The model has conventional flap-type controls in addition to jet reaction controls. For technical personnel, to be used with NACA Technical note 3800: Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model.
*Borrow from* NASA.

**Egg and miracidia of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.
3 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-087.
*Summary:* Photomicrographic scenes of *Schistosoma mansoni* eggs hatching in fresh water, and the miracidia searching for a suitable snail as the intermediate host.
*Borrow from* PHS.

**The 82d Airborne Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
21 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1426.
*Summary:* History of the 82d Airborne Division in World Wars I and II: training prior to combat; fighting in Sicily, Salerno, Anzio, Normandy, Holland, and the Battle of the Bulge; and the Fifth Avenue victory parade.
*Borrow from* Army. *Buy from* UWF.

**The 83rd Infantry Division in Europe** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-7814.
*Summary:* Chronological report of activities of the 83rd Division in World War II from Omaha Beach, St. Malo, Loire Valley, Luxembourg, to the Elbe River.
*Borrow from* Army. *Buy from* UWF.

**Elaboração de uma peça no prato ou bucha** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)
Order no. OE 60-Port.
Portuguese version of Machining work held in chuck: Use of reference surfaces.
*Buy from* UWF.

**Elaboración de una pieza en el plato** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)
Order no. OE 60-Sp.
Spanish version of Machining work held in chuck: Use of reference surfaces.
*Buy from* UWF.

**Electric farming gets more to market** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
50 double fr., color, 35 mm.
Order no. C-24.
*Summary:* Cartoon pictures with captions explaining how electricity can be used on the farm, particularly in dairying and in poultry raising.
*Buy from* PhotoLab.

**Electrical circuit faults** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
10 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 6)
Order no. OE 375.
Supplemented by filmstrip with the same title.
With instructor's manual.
*Summary:* How to test for and locate common circuit faults, grounds, resistance deterioration, and interference in circuits.
*Buy from* UWF.

**Electrical circuit faults** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
39 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 6))
Order no. OE 375-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Electrical machinery series**
see **Electrical work series. Electrical machinery**

**Electrical work series. Electrical machinery**
see
**Repulsion motor principles**
**Rotating magnetic fields**
**Single-phase and polyphase circuits**
**Split-phase motor principles**
**Squirrell-cage rotor principles**

**Electrical work series. Motor control**
see
**Across-the-line starters**
**D. C. motor. Part 1: Mechanical overhaul**
**D. C. motor. Part 2: Rewinding**
**Direct current controllers**
**Reduced voltage starters**
**Repulsion-induction motor: General overhaul**
**Split-phase motor: Rewinding**
**Three-phase motor. Part 1: Preparing to rewind**
**Three-phase motor. Part 2: Rewinding**
**Wound rotor controllers**

**Electrical work series. Wiring**
see
**Cable surface wiring**
**Electrical circuit faults**
**Installing conduit**
**Installing surface metal raceway**
**Joining solid conductors**
**Porcelain protected surface wiring**
**Power bending conduit**
**Preparing old buildings for wiring**
**Roughing-in nonmetallic sheathed cable**
**Soldering lugs and splicing stranded conductors**
**Three-wire service entrance**
**Wire sizes and voltage drop**
**Wiring old buildings with armored cable**

**Electricity and magnetism series**
see
**Charging storage batteries**
**Elements of electricity**
**Ohm's law**
**Voltaic cell, dry cell, and storage battery**

**Electrocardiography** (*Motion picture*) U. S. Dept. of the Army, 1949.
10 min., sd., color, 16 mm.
Order no. PMF 5193.
*Summary:* Demonstrates the use of the cathode-ray oscilloscope to show the magnitude and direction of galvanometer deflections caused by changing relative positions within a conducting fluid, and gives mathematical explanations relating human electrocardiograms to Einthoven's hypothesis.
*Borrow from* Army.

**Electromagnetic cathode ray tube: Theory of operation** (*Motion picture*) U. S. Dept. of the Navy, 1958.
20 min., sd., b&w., 16 mm.
Order no. MN 8614.
*Summary:* Shows how the electrons are acted upon by the electron gun, control grid, and screen shield; describes the effect of a magnetic field on an electron in motion as the basis for the action of the focus coil and deflection coil; explains how a rotating sweep results from deflection coil currents out of phase by 90°.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Electromagnets** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
8 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8010-d.
*Summary:* Shows that by use of a magnetic field, current can be induced, and that this current in turn induces a magnetic field all along the wire. Shows the components of an electromagnet and explains how its strength can be varied.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Electromyograph procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.
18 min., sd., b&w, 16 mm.
Order no. PMF 5325.
Revised version of the 1947 motion picture of the same title.
*Summary:* Discusses the clinical application of electromyography in the diagnosis, treatment, and prognosis of neuromuscular disorders, and demonstrates the technique of operating the electromyograph machine.
*Borrow from* Army.

**The electron, an introduction** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
16 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 1)
Order no. OE 175.
Supplemented by filmstrip with same title.
With instructor's manual.
*Summary:* Nature of electrons; electron flow in solid conductors; electromotive force; types and control of electron flow; electron flow and magnetic fields; and induced electron flow.
*Buy from* UWF.

**The electron, an introduction** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
40 fr., b&w, 35 mm. (Engineering series. Electronics, no. 1)
Order no. OE 175-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**The electron theory** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
5 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8016-a.
*Summary:* Shows the orbit of electrons around a representative atom; the symbols used for neutral atom, electron, and atom with one positive charge; and normal electron motion and outside force producing electron motion in one direction, called current flow.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

Electronics series
see Engineering series. Electronics

**Elementary dead reckoning. Part 1: Earth's surface** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
34 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-249.
*Summary:* Explains the concept of longitude and latitude and how they are used to locate the position of points on the earth's surface. Defines other terms such as statute mile, nautical mile, rhumb line, etc., used in aerial navigation.
*Borrow from AF.*

Elementary electricity series
see Radio technician training series. Elementary electricity

Elementary hydraulics series
see
Application of Pascal's law, part 1
Application of Pascal's law, part 2
Characteristics of hydraulic fluids
Derivation of Pascal's law, part 1
Derivation of Pascal's law, part 2
Liquid in motion
Simple hydraulic systems

**Elementary optics in photography** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., b&w, 16 mm. (Fundamentals of photography series)
Order no. MN 5384.
*Summary:* Principles of lighting effects; how light is reflected and refracted by the curvature and thickness of glass.
*Borrow from Navy. Buy from UWF.*

**Elementary tactics of lifesaving** (*Motion picture*) U. S. Navy Dept., 1943. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1944.
22 min., sd., b&w, 16 mm.
Order no. MN 1319-b.
*Summary:* Shows how to gain control of the victim by the surface and the underwater approaches.
*Borrow from Navy.*

**Elements of electricity** (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.
15 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 1)
Order no. TF 11-422.
*Summary:* Explains the breakdown of a molecule into atoms, and the relation of protons and electrons to electricity.
*Borrow from Army. Buy from UWF.*

**Elements of electricity as applied to ignition systems** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.
28 min., sd., b&w, 16 mm. (Aircraft engines series)
Order no. TF 1-126.
*Summary:* Explains the application of basic principles of electricity to the ignition system of an aircraft engine. Covers electric current, voltage, polarity of magnets, magnetic fields, and electro-magnetic induction.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Elements of hardening** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
15 min., sd., b&w, 16 mm. (Engineering series. Heat treatment of steel, no. 1)
Order no. OE 170.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How steel is quench-hardened; how the structure and hardness of steels with different carbon content change at progressive quench-hardening stages; how the lower and upper critical temperatures of steel are determined; and how an iron-carbon diagram is constructed and what it shows.
*Buy from UWF.*

**Elements of hardening** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
40 fr., b&w, 35 mm. (Engineering series. Heat treatment of steel, no. 1)
Order no. OE 170-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Elements of surface hardening** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
14 min., sd., b&w, 16 mm. (Engineering series. Heat treatment of steel, no. 3)
Order no. OE 172.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Shows how steel is pack and gas carburized; how a thin, hard case is obtained by cyaniding; how nitriding is used to obtain a very hard case; and how steel is flame and induction hardened.
*Buy from UWF.*

**Elements of surface hardening** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
36 fr., b&w, 35 mm. (Engineering series. Heat treatment of steel, no. 3)
Order no. OE 172-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Elements of tempering, normalizing, and annealing** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
15 min., sd., b&w, 16 mm. (Engineering series. Heat treatment of steel, no. 2)
Order no. OE 171.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How steel is tempered; how the structure, toughness, and hardness of plain carbon steel change at progressive tempering stages; how steel is normalized and annealed, and the results of normalizing and annealing.
*Buy from UWF*

**Elements of tempering, normalizing, and annealing** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
31 fr., b&w, 35 mm. (Engineering series. Heat treatment of steel, no. 2)
Order no. OE 171-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Elevation, distance, and grid** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
27 min., sd., b&w, 16 mm. (Basic map reading series, no. 2)
Order no. TF 5-1789.
Revision of 1945 film with same title, order no. TF 21-2072.
*Summary:* Explains how to interpret contour lines as a measure of the height and character of slopes, how to measure distances from map and graphic scales, and how to interpret the characteristics of the military grid system.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The Elliott-Buchi turbocharger for diesel engines: Disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd. b&w, 16 mm.
Order no. MN 2965-a.
*Summary:* Demonstrates how to disassemble the turbocharger, and the tools to be used.
*Borrow from Navy. Buy from UWF.*

**The Elliott-Buchi turbocharger for diesel engines: Maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
24 min., sd., b&w, 16 mm.
Order no. MN 2965-c.
*Summary:* Shows the maintenance procedure for the turbocharger, including frequent and periodic checks.
*Borrow from Navy. Buy from UWF.*

**The Elliott-Buchi turbocharger for diesel engines: Reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
25 min., sd., b&w, 16 mm.
Order no. MN 2965-b.
*Summary:* Demonstrates how to reassemble the turbocharger.
*Borrow from Navy. Buy from UWF.*

**Embryology of the liver, gallbladder, and pancreas** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., color, 16 mm.
Order no. PG 8-3.
*Summary:* Explains in simple terms the embryology of the liver, gallbladder, and pancreas with particular reference to anomalies and variations of these organs most commonly discovered by the surgeon. Uses filmograph technique.
*Borrow from Army. Buy from UWF.*

**Embryonated egg techniques for virus studies** (*Filmstrip*) U. S. Public Health Service, 1955.
39 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm. 11 min.
Order no. F 177.
*Summary:* Demonstrates the techniques of inoculating and harvesting the yolk sac, the allantoic fluid, the chorio-allantoic membrane, and the amniotic cavity by direct inoculation and by the window technique.
*Borrow from PHS. Buy from UWF.*

**Emergency landing on land** (*Motion picture*) U. S. Navy Dept., 1947. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.
6 min., sd., b&w, 16 mm. (Flight safety series)
Order no. MN 4958-k.
*Summary:* A cartoon treatment of the do's and don'ts of emergency landings.
*Borrow from Navy.*

**Emergency medical treatment unit: Phase 1** (*Motion picture*) U. S. Dept. of the Army, 1960.
12 min., sd., b&w, 16 mm.
Order no. MF 8-0212.
*Summary:* Outlines the objectives and services of the four phases of the emergency medical care program: (1) Self aid or buddy aid; (2) Emergency medical care and treatment; (3) Post attack medical support; (4) Post attack resupply of medical resources. Describes the emergency medical treatment unit furnished under Phase 1, itemizes the contents of the unit, and shows the supplies included in the various wound packs.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Emergency seaplane repair** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
48 fr., b&w., 35 mm.
Order no. SN 1998.
*Summary:* How to temporarily seal holes in the hulls of flying boats and seaplanes both at sea and when beached.
*Borrow from Navy. Buy from UWF.*

**Employees only** (*Motion picture*) President's Committee on Employment of the Physically Handicapped, 1958. Made by La Brea Productions.
14 min., sd., b&w, 16 mm.
*Summary:* Pictures numerous examples of physically handicapped adults in various productive jobs at the Hughes Aircraft Company in California, and emphasizes the abilities of such people.
*Borrow from PCPH. Cleared for tv.*

**Employing blind workers in industry** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.
17 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 165.
With instructor's manual.
*Summary:* Actual instances of blind workers performing jobs in industry; types of work which can be done by blind persons; role of employment specialists in placing and training blind workers.
*Buy from UWF.*

**Employing disabled workers in industry** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.
20 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 399.
With instructor's manual.
*Summary:* Illustrative examples of disabled workers handling skilled industrial jobs—one-handed milking machine operator, one-handed machinist, one-armed electric welder, one-handed watch repairman, poliomyelitis-crippled jewelry maker, one-handed secretary.
*Buy from UWF.*

**O emprêgo do suporte fixo** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
25 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)
Order no. OE 62-Port.
Portuguese version of Using a steady rest.
*Buy from UWF.*

**Endfeed grinding a tapered pin** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
26 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 5)
Order no. OE 80.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Principles of endfeed grinding; how to true the regulating and grinding wheels; rough- and finish-endfeed grind; use a taper collet gage and Prussian blue to check work; redress the wheels for the finish grind; and correct taper error of less than .0005.
*Buy from UWF.*

**Endfeed grinding a tapered pin** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

42 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 5)

Order no. OE 80-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Endodontics. Part 1: Diagnosis and case selection** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

13 min., sd., color, 16 mm.

Order no. MN 8566-a.

*Summary:* Emphasizes the necessity of applying to each case several specific diagnostic aids and tabulating the effect of each aid. Provides five questions as a guide to the dental officer in diagnosing and deciding to treat patients by endodontic means. Uses radiographs, animation, and live photography to illustrate endodontic treatment.

*Borrow from* Navy.

**Endodontics. Part 2: Bio-mechanical preparation of the root canal** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

17 min., sd., color, 16 mm.

Order no. MN 8566-b.

*Summary:* Demonstrates the step-by-step procedure for the preparation of a root canal for filling; illustrates debridement, enlarging, irrigation, and chemical disinfection; emphasizes the aseptic precautions to be taken in strict bacterial culture control. Presents close-ups of important detailed action in each of the steps listed above.

*Borrow from* Navy.

**Endodontics. Part 3: Filling the root canal** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

15 min., sd., color, 16 mm.

Order no. MN 8566-c.

*Summary:* Demonstrates in detail the filling of root canals by two techniques: the lateral condensation of gutta-percha and the use of silver cones; and the filling of the pulp chamber. Emphasizes the precision required for complete obliteration of the root canal lest it continue to be a source of periapical irritation; describes the aseptic precautions to be taken in strict bacterial culture control.

*Borrow from* Navy.

**Enemas** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

20 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)

Order no. MN 1511-v.

*Summary:* Discusses two main types of enemas, retention and evacuant, and demonstrates the procedure for giving them and the after care of the patient and equipment.

*Borrow from* Navy. *Buy from* UWF.

**The enemy bacteria** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1948.

29 min., sd., color, 16 mm. (Care of the sick and injured by hospital corpsmen series)

Order no. MN 1511-i.

*Summary:* Shows by animation the entry of bacteria into the blood stream, the action of bacteria, and the resultant effect on the patient. Emphasizes the importance of cleanliness in surgery.

*Borrow from* Navy. *Buy from* UWF.

**Energy saving kitchen** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

6 min., sd., b&w, 16 mm.

*Summary:* Illustrates model kitchens, for urban and rural homemakers, designed to conserve energy because of illness or age. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**La enfermedad se propaga** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Salud para las Américas)

Spanish version of How disease travels.

*Summary:* Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The engine assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

19 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 3)

Order no. OE 463.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to check the cylinder head and block; intake and exhaust manifolds; under-chassis parts; valve mechanism and tappets; vents, screws, and air filters; oil filter and oil lines; and cylinder depression.

*Buy from* UWF.

**The engine assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

42 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 3)

Order no. OE 463-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Engine change: Installation** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

17 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 273.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Safety precautions to be observed when installing an engine; how to inspect engine mount, controls, and firewall; connect controls and attachments; ground-test the engine; and prepare for check flight.

*Buy from* UWF.

**Engine change: Installation** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

47 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 273-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Engine change: Removal** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

17 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 272.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Safety precautions to be observed when removing an engine; how to disconnect controls and attachments; remove the engine; and inspect the mount, firewall, and controls.

*Buy from* UWF.

**Engine change: Removal** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

50 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 272-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Engine instruments** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

60 fr., b&w, 35 mm.

Order no. SN 802.

*Summary:* Describes and illustrates the function and use of airplane engine instrucents.

*Borrow from* Navy.

**Engine lubricating system** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
39 fr., b&w, 35 mm.
Order no. OCG 154-b, formerly SG 1694.
*Summary:* Explains the splash and pressure systems of lubrication and how they are employed in a modern engine.
*Buy from UWF.*

**Engine reassembly, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)
Order no. MN 2364-j.
*Summary:* How to inspect the liner, seat the seal in position in the cylinder block, lower the liner and fit the piston into the liner, put shell into connecting rod bearing, and install the connecting rod bearing cap.
*Borrow from Navy. Buy from UWF.*

**Engine reassembly, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)
Order no. MN 2364-k.
*Summary:* How to install fire gasket, liner, cylinder nuts, water header flange, liner drain plug, exhaust manifold gasket and coverframe, lube oil lines, injector nozzle, air starting and fuel lines; adjust valve clearances; and install cylinder head cover.
*Borrow from Navy. Buy from UWF.*

**Engine reassembly, part 3** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series)
Order no. MN 2364-l.
*Summary:* How to secure exhaust manifold, install indicator cock and relief valve unit, secure air starting manifold and supply line, remove coupling gear, close indicator cocks, and tighten wrist pin bolt.
*Borrow from Navy. Buy from UWF.*

**Engine tests and tune up** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
18 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 5)
Order no. OE 465.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to adjust the automatic choke; check and adjust ignition, valve tappets, and carburetor; make vacuum gage tests; and test the vacuum brake system.
*Buy from UWF.*

**Engine tests and tune up** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.
50 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 5)
Order no. OE 465-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Engineer mission** (*Motion picture*) U. S. Dept. of the Army, 1954.
26 min., sd., b&w, 16 mm.
Order no. MF 5-8279.
*Summary:* Shows past and present accomplishments of the U. S. Army Corps of Engineers, particularly its activities during World War II and up to the present.
*Borrow from Army. Cleared for tv.*

**Engineer power shovel and attachments** (*Motion picture*) U. S. War Dept., 1944.
21 min., sd., b&w, 16 mm.
Order no. FB 5-128.
*Summary:* Shows the power shovel and its standard attachments, and explains its operation.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The engineer supply mission** (*Motion picture*) U. S. Army Engineers, 1958.
29 min., sd., b&w, 16 mm.
*Summary:* Describes the engineer supply mission in terms of national security. Stresses the major phases of engineer responsibility; types and purposes of engineer equipment; care and preservation of equipment; storage and packaging methods; supply procedures and techniques. Illustrates the readiness of the supply system of the Corps of Engineers in peacetime and in national emergencies. Depicts the use of modern electronic machines to speed the flow of supplies, and the achievements accomplished in the standardization of engineer equipment and parts.
*Borrow from Eng. Cleared for tv.*

**The engineered performance standards program** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by MPO Productions.
26 min., sd., b&w, 16 mm.
Order no. MN 7827.
*Summary:* Explains the engineered performance standards program and its benefits to workers and to management at U. S. Naval Air Stations.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Engineering for radioisotopes** (*Motion picture*) U. S. Atomic Energy Commission, 1951. Made by Oak Ridge National Laboratory.
22 min., sd., b&w, 16 mm.
*Summary:* Describes the chemical, mechanical, electrical, and construction engineering skills required for efficient industrial production and processing of radioisotopes.
*Borrow from AEC. Cleared for tv.*

**Engineering for traffic safety** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
6 min., sd., color, 16 mm.
*Summary:* Explains that engineering for traffic safety involves roads, traffic operations, and vehicles.
*Borrow from PCTS. Cleared for tv.*

Engineering series
see
Flue gas analysis (Orsat apparatus)
Heat treatment of aluminum, film 1
Heat treatment of aluminum, film 2
Measurement with light waves
Powder metallurgy. Part 1: Principles and uses
Powder metallurgy. Part 2: Manufacture of porous bronze bearings
Principles of dry friction
Principles of lubrication
Principles of refrigeration
The slide rule: Proportion, percentage, squares, and square roots
The slide rule: The "C" and "D" scales
Tension testing
X-ray inspection

**Engineering series. Electronics**
see
The diode: Principles and applications
The electron, an introduction
Principles of gas-filled tubes
The triode: Amplification

**Engineering series. Fundamentals of mechanics**
see
An introduction to vectors: Coplanar concurrent forces
Principle of moments
Principles of gearing: An introduction

**Engineering series. Heat treatment of steel**
see
Elements of hardening
Elements of surface hardening
Elements of tempering, normalizing, and annealing

**Engineering your health** (*Motion picture*) U. S. Public Health Service, 1958. Made by Atlas Film Corp.
14 min., sd., color, 16 mm.
Order no. M19 344.
*Summary:* Covers three major topics—water resources and pollution control, atmospheric pollution, and radiological health hazards; deals with problems, needs, operations, and research aspects of these problems; indicates professional outlets for teaching, travel, research, administration, etc.
*Borrow from PHS. Buy from Capital.*

**England's American policy leads to revolt**
see American history I, lecture 4: England's American policy leads to revolt

**The English colonies dominate North America**
see American history I, lecture 2: The English colonies dominate North America

**Environmental factors affecting reliability of electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956.
17 min., sd., b&w, 16 mm.
Order no. MN 8081-a.
*Summary:* Explains the influence of naval shipboard environments (shock, vibration, salt spray, temperature, etc.) upon the reliability of electronic equipment. Demonstrates the correlation of these environmental factors with specifications and testing procedures.
*Borrow from Navy. Buy from UWF.*

**Environmental sanitation** (*Motion picture*) U. S. Office of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
*Summary:* Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.
*Buy from UWF. Cleared for tv.*

**Environmental sanitation**
see also
Saneamento geral
Saneamiento del ambiente

**Environmental sanitation series**
see
Constructing a sanitary pit privy

**Epidemiology of brucellosis** (*Filmstrip*) U. S. Public Health Service, 1952.
88 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. F 29-a.
*Summary:* Explains the epidemiology of brucellosis in cattle, swine, and goats; and its transmission to man. Covers in each case the method of infection, the course of the disease, and the public health and economic implications.
*Borrow from PHS. Buy from UWF.*

**The epidemiology of influenza** (*Motion picture*) U. S. Public Health Service, 1950.
18 min., sd., b&w, 16 mm.
Order no. 6-199.
*Summary:* Reviews the historical significance of influenza; discusses its behavior and periodicity; and explains the program of the World Health Organization with regard to the disease.
*Borrow from PHS. Buy from UWF.*

**Epidemiology of marine typhus** (*Motion picture*) U. S. Public Health Service, 1953.
19 min., sd., b&w, 16 mm.
Order no. 6-049.1.
Revision of the 1948 film with same title.
*Summary:* Explains procedures for the epidemiological study of murine typhus and their relationship to its prevention and control; pattern of the disease—rats, rat fleas, man; and the roles of public health officers and the U. S. Public Health Service in controlling the disease.
*Borrow from PHS. Buy from UWF.*

**Epidemiology of staphylococcal infection** (*Motion picture*) U. S. Public Health Service, 1958.
13 min., sd., color, 16 mm.
Filmstrip of the same title also issued.
Order no. M 355.
*Summary:* Traces the epidemiologic pattern of staphylococcal infection from reservoir to environment and to host within the hospital; shows that hospital personnel frequently are carriers of antibiotic-resistant, epidemic strains of staphylococcus, and that these personnel carriers may infect patients through direct contamination, or through contamination of the environment.
*Borrow from PHS. Buy from UWF.*

**Epidemiology of staphylococcal infection** (*Filmstrip*) U. S. Public Health Service, 1958.
112 fr., color, 35 mm. and tape: 1 reel, 7½ in. per sec., 14 min.
Issued also with disc: 1 s., 12 in., 33⅓ rpm, 14 min.
Motion picture of the same title also issued.
Order no. F 362.
*Borrow from PHS. Buy from UWF. Cleared for tv.*

**Epizootiology of anthrax** (*Filmstrip*) U. S. Public Health Service, 1952.
67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. F 118.
*Summary:* Explains the epizootiology of anthrax, particularly the etiological agent, *Bacillus anthracis*; the case history of an epizootic of anthrax arising from an import of contaminated bonemeal; the world-wide distribution of anthrax; susceptibility of different animals to anthrax; methods of infection; and control measures.
*Borrow from PHS. Buy from UWF.*

**Equilibration of occlusion** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes Co. Released for public educational use through U. S. Office of Education, 1953.
19 min., sd., color, 16 mm.
Order no. MN 7349.
*Summary:* Shows various pathological conditions of teeth, gums, and the associated nervous system caused by traumatic occlusion; gives illustrative examples of such occlusion; explains that in malocclusion, improvement of stress distribution is obtained through equilibration by selective grinding; and demonstrates this procedure by the use of study casts, animation, and live-action photography of natural and artificial dentures.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Equipment for hand spraying of DDT** (*Filmstrip*) U. S. Public Health Service, 1947.
67 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5-084.
Revision of the 1946 filmstrip with the title Hand spraying of DDT.
*Summary:* Shows several types of hand sprayers and explains their parts, including the use of an air compressor.
*Borrow from* PHS. *Buy from* UWF.

Equipment maintenance series
see Farm work series. Equipment maintenance

**Eradicating the Khapra beetle** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
13 min., sd., color, 16 mm.
*Summary:* Presents control measures taken to eradicate the Khapra beetle, a pest of stored grain, by using plastic tarpaulins and spraying with methyl bromide gas to kill these insects.
*Rent from* DA film libraries. *Buy from* DA.

**Eradication of foot-and-mouth disease in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1948.
33 fr., b&w, 35 mm.
Order no. 682.
With lecture notes.
*Summary:* Shows symptoms of the disease; and explains the need to destroy diseased animals, clean and disinfect the premises, and report suspected cases to livestock authorities.
*Buy from* PhotoLab.

**Erection of the AS-19/TRC-1 antenna system** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
14 min., sd., b&w, 16 mm.
Order no. TF 11-1823.
*Summary:* Explains and illustrates the techniques of erecting the AS-19/TRC-1 antenna system used in UHF radio communication.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1948.
5 min., sd., b&w, 16 mm. (School films series, no. 3)
With teacher's guide.
*Summary:* Portrays results of erosion caused by wind and dust storms and by water and floods; demonstrates the action of a heavy rain upon the soil of a newly planted bean field on a hillside; and emphasizes the importance of soil conservation practices.
*Rent from* DA film libraries. *Buy from* UWF.

**Erythrocytic stages of Plasmodium vivax** (*Motion picture*) U. S. Public Health Service, 1954.
4 min., sd., b&w, 16 mm.
Order no. M 139-a.
*Summary:* By means of the phase contrast microscope, shows the appearance and behavior of living malaria parasites within infected red blood cells, specifically, ring stages, young and mature trophozoites, and schizonts of *Plasmodium vivax*.
*Borrow from* PHS. *Buy from* UWF.

**Es fácil comer bien** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Salud para las Américas)
Spanish version of Planning for good eating.
*Summary:* Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.
*Buy from* UWF. *Cleared for tv.*

**Establishing construction lines, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2345-a.
*Summary:* Shows by animation how to establish five basic lines—base, center, buttock, frame, and water—used in ship construction.
*Borrow from* Navy. *Buy from* UWF.

**Establishing construction lines, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. MN 2345-b.
*Summary:* Covers establishment of center, buttock, and water lines for use as reference points. Also shows setting of bulkhead and use of reference lines to locate a foundation.
*Borrow from* Navy. *Buy from* UWF.

**Establishing primary survey control points** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., color, 16 mm. (Hydrographic surveying operations of the Navy series)
Order no. MN 6735-a.
*Summary:* Describes the instruments, methods, and signals required to establish primary geodetic control including astronomical position, azimuth, base line, triangulation, and relevant operations.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Establishing working relations for the disabled worker** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.
14 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 401.
With instructor's manual.
*Summary:* Dramatized case study of workers being overly solicitous of a new one-handed lathe operator, of his resentment at being considered a "freak," and of the supervisor's successful handling of the situation.
*Buy from* UWF.

**Establishment and maintenance of grassed waterways** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
29 fr., b&w, 35 mm.
Order no. 559.
With lecture notes.
*Summary:* Explains how to slope and seed gullies.
*Buy from* PhotoLab.

**Establishment of a field ammunition supply point** (*Motion picture*) U. S. Dept. of the Army, 1950.
27 min., sd., b&w, 16 mm.
Order no. TF 9-1635.
*Summary:* Describes U. S. Army methods of setting up and operating ammunition supply points in the field.
*Borrow from* Army. *Cleared for tv.*

**Etawah story** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.
10 min., sd., b&w, 16 mm.
*Summary:* Shows how cooperative enterprise and new methods of farming raised the standard of living of villagers in the Etawah district of India. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Ethiopia in the free world** (*Motion picture*) U. S. Dept. of State, 1951. Made by Telenews Productions. Released for educational use in the United States through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
*Summary:* Explains the reasons for Ethiopia's participation in the Korean War, and shows Ethiopian troops as part of the United Nations' forces in Korea. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Étude d'un modèle pour un bloc de moteur refroidi a l'eau** (*Motion picture*) U. S. Office of Education, 1955.
15 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 337-Fr.
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Designing a pattern for a water-cooled motor block.
*Buy from* UWF.

**Europe finds and explores a new world**
see American history I, lecture 1: Europe finds and explores a new world

**The European corn borer** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

11 min., sd., color, 16 mm.

*Summary:* Shows the life cycle of the corn borer—from moth to egg to borer to moth; and explains control measures to be used by farmers, including insecticides and types of spraying equipment.

*Rent from DA film libraries. Buy from UWF.*

**European cruise** (*Motion picture*) U. S. Dept. of the Navy, 1956.

25 min., sd., color, 16 mm.

Order no. MN 6499.

*Summary:* Depicts a Naval Reserve training cruise from the United States to the Azores, Spain, and Portugal. Shows the places visited and various phases of training.

*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The evacuation hospital** (*Motion picture*) U. S. War Dept., 1945.

13 min., sd., b&w, 16 mm.

Order no. FB 8-173.

*Summary:* Shows the operation and functions of an evacuation hospital in the theater of operations.

*Borrow from Army.*

**Evacuation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1952.

33 min., sd., b&w, 16 mm.

Order no. TF 8-1699.

*Summary:* Illustrates how the procedures of evacuation function to bring soldier casualties as rapidly as possible to medical care behind the lines, or return them to action after treatment. Follows three casualties through various medical installations, describing the purpose of each installation and the sorting process that occurs from battalion aid station to a hospital in the continental United States. For use of Dept. of Defense agencies only.

*Borrow from Army.*

**Evacuation of casualties ⌐at⌐ Saipan** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

23 min., sd., color, 16 mm. (Medicine in action series, no. 7)

Order no. MN 3726-g.

*Summary:* Shows the procedure used at Saipan for evacuating casualties.

*Borrow from Navy. Buy from UWF.*

**Evacuation of civilians** (*Motion picture*) U. S. War Dept., 1945.

15 min., sd., b&w, 16 mm.

Order no. FB 19-193.

*Summary:* Illustrates problems of directing civilians in combat areas to points of concentration so that traffic lanes can be kept open for troop and supply movements.

*Borrow from Army. Cleared for tv.*

**Evacuation of the wounded** (*Motion picture*) U. S. War Dept., 1944.

14 min., sd., b&w, 16 mm.

Order no. FB 8-132.

*Summary:* Presents the principles of the chain of evacuation of the wounded through five successive echelons of medical service from the front line of battle to the general hospital in the zone of interior.

*Borrow from Army.*

**Evaluating a nation** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

19 min., sd., b&w, 16 mm.

Order no. AFIF 18.

*Summary:* Proposes the evaluation of nations in terms of national and global power; explains the MacKinder concept of a world island, the Nazi doctrine of geopolitics and the polar concept of geography; and emphasizes the necessity of sending U. S. troops to western Europe.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Eve of battle** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Order no. MF 49-1943.

*Summary:* Scenes of activities in England on the evening before the invasion of Normandy in 1944.

*Borrow from Army. Buy from UWF.*

**Evergreen shrubs for dooryard planting** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

50 double fr., color, 35 mm.

Order no. C-47.

With lecture notes.

*Summary:* Shows some of the better dwarf evergreen shrubs suitable for outdoor planting and how to identify these plants by name, form, and color.

*Buy from PhotoLab.*

**Every minute counts** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

10 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 161.

With instructor's manual.

*Summary:* Problems of a new supervisor in handling lateness, loafing, and absenteeism; and how he learns to deal with individual cases.

*Buy from UWF.*

**Everyman's empire** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

19 min., sd., color, 16 mm.

*Summary:* Shows and explains the values and resources of the U. S. national forests—lumber reserves, storehouses of water, grasslands for grazing, refuge for wildlife, and recreational facilities for Americans.

*Rent from DA film libraries. Buy from UWF.*

**Evidence in courts-martial: Evidence after the findings** (*Motion picture*) U. S. Dept. of the Navy, 1954.

20 min., sd., b&w, 16 mm.

Order no. MN 9238-d.

*Summary:* Discusses the rules of evidence as applied in courts-martial, the matters a court may take into consideration in determining the sentence, and how these matters are presented to the court by the trial and defense counsels. Includes evidence after the findings presented by the prosecution, personal data, evidence of previous convictions, matter showing aggravation of offense, evidence after the findings presented by the defense, extenuation, and mitigation.

*Borrow from Navy. Buy from UWF.*

**Evidence in courts-martial: General rules of evidence** (*Motion picture*) U. S. Dept. of the Navy, 1954.

17 min., sd., b&w, 16 mm.

Order no. MN 9238-a.

*Summary:* Shows typical situations in courts-martial and how the rules of evidence are applied. Among the items discussed are corpus delicti, identity, intent, oral testimony, documentary evidence, real evidence, direct and circumstantial evidence, and relevant and competent evidence.

*Borrow from Navy. Buy from UWF.*

**Evidence in courts-martial: Testimony** (*Motion picture*) U. S. Dept. of the Navy, 1954.

21 min., sd., b&w, 16 mm.

Order no. MN 9238-b.

*Summary:* Demonstrates rules and methods used in developing a witness' testimony. Includes presentation of evidence, order for presentation of a witness, general and specific competency of witnesses, pretrial interview of witness by counsel, written statements by witness, limitations on direct examination, impeaching of witness, right of accused to refuse to take the stand, and waiver of right against self-incrimination by the accused.

*Borrow from Navy. Buy from UWF.*

**The evolution of the oil industry** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1952.

29 min., sd., color, 16 mm.

Order no. 187.

Revision of 1942 b&w film of same title.

*Summary:* Traces the development of the petroleum industry, showing early methods and, in contrast, modern techniques of prospecting and drilling for oil and of refining oil into various products.

*Borrow from BM. Cleared for tv.*

**Excision of chronic periapical infections** (*Motion picture*) U. S. Dept. of the Army, 1952.
8 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no. PMF 5191.
*Summary:* Demonstrates the excision of chronic periapical infections. Shows an apical granuloma which proved to be a cyst. For dental personnel.
*Borrow from Army. Buy from UWF.*

**Excision of gingival hypertrophy** (*Motion picture*) U. S. Dept. of the Army, 1952.
6 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no. PMF 5221.
*Summary:* Shows how tissue found in the anterior portion of the maxillary ridge is excised in preparation of a firm base for the denture.
*Borrow from Army.*

**Excision of mandibular tori** (*Motion picture*) U. S. Dept. of the Army, 1952.
12 min., sd., color, 16 mm. (Dento-alveolar surgery series)
Order no. PMF 5229.
*Summary:* Shows the surgical excision of the tuberosity lingual to the mandibular third molar, followed by the excision of bilateral mandibular tori in the bicuspid area, in preparation of the ridge for a denture.
*Borrow from Army.*

**Excystation and motility of Endamoeba histolytica** (*Motion picture*) U. S. Public Health Service, 1948.
3 min., si., b&w, 16 mm.
Order no. 4-070.
*Summary:* Shows by bright-field and dark-field illumination the process of excystation of the trophozoite of *Endamoeba histolytica.*
*Borrow from PHS. Buy from UWF.*

**Executive wanted** (*Motion picture*) U. S. Dept. of the Army, 1957.
24 min., sd., color, 16 mm.
Order no. MF 12-8786.
*Summary:* Presents the experiences of a young college graduate in the Women's Army Corps, and describes the advantages of an executive career in the Corps.
*Borrow from Army. Cleared for tv.*

**Exercise ski jump** (*Motion picture*) U. S. Dept. of the Army, 1954.
25 min., sd., b&w, 16 mm.
Order no. MF 31-8290.
*Summary:* Shows cold weather operations of a tactical U. S. Army unit, covering selection of camp site, erection of shelter, food preparation, cold weather clothing and equipment furnished the soldier, occupational hazards, first aid for and evacuation of the injured, vehicles used in supply and evacuation, care and use of personal weapons, and survival and tactical problems presented by mountain operations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Exercise Yukon** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. MF 20-7513.
*Summary:* Documentary record of a tactical operation in the Arctic.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Exhibit ideas** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
37 fr., b&w, 35 mm.
Order no. 631.
With lecture notes.
*Summary:* Consists of photographs of exhibits with analysis and criticism of these exhibits provided in lecture notes.
*Buy from* PhotoLab.

**Expanding world relationships** (*Motion picture*) U. S. Dept. of State, 1946. Produced by Burton Holmes Films.
11 min., sd., color, 16 mm.
*Summary:* An animated cartoon explaining the technological, economic, and social changes which have occurred during the 150 years since the time of Thomas Jefferson. Emphasizes the interdependence of nations today. Prepared for overseas use.
*Buy from UWF.*

**Expedients** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
14 min., sd., b&w, 16 mm. (Military stevedoring series, no. 8)
Order no. TF 55-1551.
*Summary:* Demonstrates methods which can be used as expedients for the temporary repair of dead winches, damaged cargo booms, and other shipboard cargo handling equipment.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The experimental boiling water reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1957.
34 min., sd., color, 16 mm.
*Summary:* Presents an actual account of the operation of the reactor, beginning with the installation of the reactor components, with pressure vessel and other units in the steam cycle already in place, continuing through the assembly of the reactor components to the loading of the core, arriving at first critical, capping the reactor, first 20 mw. operation, then the generation of 5,000 kw. of electricity.
*Borrow from AEC. Buy from Byron. Cleared for tv.*

**Experimental determination of moments of inertia and product of inertia** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.
15 min., si., color, 16 mm.
*Summary:* Shows a simplified method employed by the NACA for the determination of the moments of inertia and product of inertia, the associated equipment and techniques, and application of this method to a conventional 13,000 pound airplane. For technical personnel, to be used with NACA Technical note 2201: measurement of the moments of inertia of an airplane by a simplified method.
*Borrow from NASA.*

**Experimental diving unit: Evaluation of physical fitness by one step-up test** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm.
Order no. MN 2153-a.
*Summary:* Explains equipment needed for test and demonstrates procedure for making step-up test based on terms of cardiovascular response. For medical personnel.
*Borrow from Navy. Buy from UWF.*

**Experimental diving unit: Specific gravity of healthy men** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
16 min., sd., b&w, 16 mm.
Order no. MN 2153-b.
*Summary:* Describes the examination which discovers specific gravity of an average man and the scientific research instruments which are used. For medical personnel.
*Borrow from Navy. Buy from UWF.*

**Experimental malaria transmission** (*Motion picture*) U. S. Public Health Service, 1946.
18 min., sd., color, 16 mm. (Malaria control series)
Order no. 4-008.
With film guide.
*Summary:* Depicts the rearing, infecting, and handling of anophelines for experiments in malaria transmission; shows how to determine the rate of infection of mosquitoes, dissect infected mosquitoes for oocysts and sporozoites, transmit malaria to human beings with infected mosquitoes, and record data about mosquitoes and patients.
*Borrow from PHS. Buy from UWF.*

**The Explorer in space** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.
11 min., sd., b&w, 16 mm.
*Summary:* Describes the final assembly and successful launching of the first United States satellite, the IGY relationship of the project, and the contribution which the satellite will make to world knowledge of the universe. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Explosive ordnance reconnaissance** (*Motion picture*) U. S. Dept. of the Army, 1957.
28 min., sd., b&w, 16 mm.
Order no. TF 9-2119.
*Summary:* Stresses the need for efficient explosive ordnance reconnaissance in urban, rural, industrial, and military areas after air raids. Shows representative types of ordnance items found after an air raid, methods of identifying exploded and unexploded missiles, protective action to minimize hazards, proper handling of sensitive objects, and procedures for incident reporting.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Extensive wound of right buttock: Delayed closure on 4th day** (*Motion picture*) U. S. Dept. of the Navy, 1954.
4 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)
Order no. MN 8036-k.
*Summary:* Demonstrates drainage of a wound with rubber drains, and approximation of a skin flap with stainless steel wire.
*Borrow from* Navy.

**Exterminación de las plagas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of Insect enemies.
*Summary:* Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.
*Buy from* UWF. *Cleared for tv.*

**Extra dividend** (*Motion picture*) U. S. Army Engineers, 1954.
12 min., sd., color, 16 mm.
*Summary:* Explains the importance of flood-control planning and shows the benefits of reservoir developments for public use, with particular reference to Corps of Engineers projects in Arkansas and southern Missouri.
*Borrow from* Eng. *Cleared for tv.*

**Extra feeding pays** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
*Summary:* Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.
*Buy from* UWF. *Cleared for tv.*

Extra feeding pays
see also
Comida abundante para todos
Produza mais alimentos

**Extra forest dollars** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
14 min., sd., color, 16 mm.
*Summary:* Shows well-known and little-known products of the national forests—logs and lumber, furniture stuffing, candy, and cascara—and emphasizes the contribution of these forests to the country's economy.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The eye loop holder** (*Motion picture*) U. S. Veterans Administration, 1949.
6 min., sd., b&w, 16 mm. (Light mechanics series, no. 3)
Supplements the film released in 1940 with the title Prescription for work.
*Summary:* Explains the importance of an eye loop holder in fine machine work, and shows how to make grooves in opposite sides of an eye loop, bend wire to fit the eye loop, and fit wire around the operator's head.
*Borrow from* VA. *Buy from* UWF.

Eye surgery series
see
Field management of eye injuries
Removal of intraocular foreign bodies
Treatment for paresis of the superior oblique

**Eye treatments** (*Motion picture*) U. S. Navy Dept., 1950. Made by Willard Pictures.
13 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576-b.
*Summary:* Presents the responsibilities of hospital corpsmen in providing certain simple eye treatments, as ordered by medical officers, in wards of naval hospitals. Demonstrates in detail the following treatments: examination of the eye by everting the lids and application of eye drops; application of opthalmic ointment; irrigation of the eye; and application of moist heat and cold to the eye by compresses.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Eyes of the storm** (*Motion picture*) U. S. Dept. of the Air Force, 1949.
20 min., sd., b&w, 16 mm.
Order no. TF 1-4000.
*Summary:* Demonstrates the use of the radar set AN/APQ-13 and the part it plays in forecasting weather conditions, how storm warnings are issued, and the precautions taken to avoid property damage.
*Borrow from* AF. *Cleared for tv.*

## F

**F-84F combat crew training, Luke Air Force Base** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. SFP 491.
*Summary:* Describes F-84F pilot training conducted at Luke Air Force Base, Arizona, including classroom, academic, instrument, pilot, and gunnery training.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**F-86E and F flight controls** (*Motion picture*) U. S. Dept. of the Air Force, 1952.
30 min., sd., color, 16 mm.
Order no. TF 1-4814.
*Summary:* Describes and demonstrates the controls and characteristics of the F-86A, F-86E, and F-86F fighter planes.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Fabric repairs series
see
Making insert patches
Patching small holes in fabric
Patching the L, T, and X type tears in fabric

**Fabricating metal aircraft** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
14 min., sd., b&w, 16 mm. (Aircraft work series. Metal fabrication)
Order no. OE 288.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How sheet metal is used in aircraft fabrication; how to cut sheet metal, form and assemble sheet metal parts, and fit major assemblies together.
*Buy from* UWF.

**Fabricating metal aircraft** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
41 fr., b&w, 35 mm. (Aircraft work series. Metal fabrication)
Order no. OE 288-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Fabrication d'un modèle avec un noyau à renflement** (*Motion picture*) U. S. Office of Education, 1955.
14 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 332-Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of the motion picture released in 1945 under the title Making a pattern requiring cover core.
*Buy from* UWF.

**Fabrication d'un modèle avec un noyau horizontal** (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 3)

Order no. OE 323–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern with a horizontal core.

*Buy from* UWF.

**Fabrication d'un modèle avec un noyau vertical** (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 2)

Order no. OE 322–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern with a vertical core.

*Buy from* UWF.

**Fabrication d'un modèle avec une portée à talon** (*Motion picture*) U. S. Office of Education, 1955.

19 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 4)

Order no. OE 324–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern with a tail print.

*Buy from* UWF.

**Fabrication d'un modèle, de boites à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau** (*Motion picture*) U. S. Office of Education, 1955.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 332–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making pattern, core boxes, and assembling cores for a water-cooled motor block.

*Buy from* UWF.

**Fabrication d'un modèle exigeant la construction d'un châssis** (*Motion picture*) U. S. Office of Education, 1955.

17 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 333–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern requiring box construction.

*Buy from* UWF.

**Fabrication d'un modèle exigeant la construction segmentaire** (*Motion picture*) U. S. Office of Education, 1955.

13 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 335–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern requiring segmental construction.

*Buy from* UWF.

**Fabrication d'un modèle plat d'une pièce** (*Motion picture*) U. S. Office of Education, 1955.

22 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 1)

Order no. OE 321–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a one-piece flat pattern.

*Buy from* UWF.

**Fabrication d'un modèle pour un coude de tuyau à brides** (*Motion picture*) U. S. Office of Education, 1955.

18 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 7)

Order no. OE 327–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern for a flanged pipe elbow.

*Buy from* UWF.

**Fabrication d'un modèle pour un moule en trois parties** (*Motion picture*) U. S. Office of Education, 1955.

20 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 6)

Order no. OE 326–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern for a three-part mold.

*Buy from* UWF.

**Fabrication d'un modèle segmenté** (*Motion picture*) U. S. Office of Education, 1955.

22 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 5)

Order no. OE 325–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a segmented pattern.

*Buy from* UWF.

**Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec** (*Motion picture*) U. S. Office of Education, 1955.

14 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 331–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a pattern using a green and a dry sand core.

*Buy from* UWF.

**Fabrication d'une boite à noyaux pour un coude de tuyau à brides** (*Motion picture*) U. S. Office of Education, 1955.

21 min., sd. b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 10)

Order no. OE 330–Fr.

French version, prepared by L'Office, provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a flanged pipe elbow.

*Buy from* UWF.

**Fabrication d'une boite à noyaux pour un noyau vertical** (*Motion picture*) U. S. Office of Education, 1955.

19 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 9)

Order no. OE 329–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a vertical core.

*Buy from* UWF.

**Fabrication d'une boite à noyaux pour une base de machine** (*Motion picture*) U. S. Office of Education, 1955.

12 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)

Order no. OE 334–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a machine base.

*Buy from* UWF.

**Fabrication d'une boite à noyaux pour une portée à talon** (*Motion picture*) U. S. Office of Education, 1955.

18 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 4A)

Order no. OE 350–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a core box for a tail print.

*Buy from* UWF.

**Fabrication d'une plaque-modèle** (*Motion picture*) U. S. Office of Education, 1955.

21 min., sd., b&w, 16 mm. (Usinage précis du bois. Initiation à la modèlerie, no. 8)

Order no. OE 328–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Making a matchboard pattern.

*Buy from* UWF.

**Fabrication du modèle d'une soupape sphérique d'équerre en acier, moulée mécaniquement** (*Motion picture*) U. S. Office of Education, 1955.
14 min., sd., b&w, 16 mm. (Usinage précis du bois. Problèmes de modèlerie)
Order no. OE 340-Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of the motion picture released in 1945 under the title Making a pattern for a machine molded steel globe and angle valve.
*Buy from* UWF.

**Fabrication of tubing** (*Film[illegible]*) U. S. Navy Dept., 1941. Released for public educational [illegible]e through U. S. Civil Aeronautics Administration, 1946.
60 fr., b&w, 35 mm.
Order no. SN 56.
*Summary:* Demonstrates the fabrication and installation of copper, aluminum, and dural tubing in the construction of aircraft. Includes the making of the pattern, cutting of the new tubing, annealing, removing of kinks and bends, bending, and fitting.
*Borrow from* Navy.

**Face milling with a fixture** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 2)
Order no. OE 228.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to determine speed and feed; establish reference surfaces; make reference cut by end-milling a flange and by milling the face.
*Buy from* UWF.

**Face milling with a fixture** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
30 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 2)
Order no. OE 228-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Face planing uneven surfaces** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
13 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 3)
Order no. OE 304.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Shows how to determine the condition of boards, correct defects on the jointer, face wide stock with a slight cross grain, make and use a feather board, and face thin stock using a push block.
*Buy from* UWF.

**Face planing uneven surfaces** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
40 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 3)
Order no. OE 304-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Face planing uneven surfaces
see also
Corroyage de surfaces inégales

**Face to face with communism** (*Motion picture*) U. S. Dept. of Defense, 1951.
26 min., sd., b&w, 16 mm.
Order no. AFIF 21.
*Summary:* Portrays a mock seizure of a United States town by Communists, showing the tactics of Communists in arresting and sentencing citizens, and the actions of an Air Force sergeant in resisting the Communists.
*Borrow from* Army.

**Face turning a collar** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
18 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 5)
Order no. OE 317.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to prepare the face plate chuck; turn the chuck to size; attach chuck to stock for the collar; turn the collar and hub to size; and taper turn the recess.
*Buy from* UWF.

**Face turning a collar** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
29 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 5)
Order no. OE 317-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Face turning a collar
see also
Tournage d'une bride sur plateau

**F[illegible]ing, turning, boring, grooving, and chamfering** (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.
32 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical boring mill, no. 3)
Order no. OE 18.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use a fixture for setting up a casting on a vertical turret lathe; set cutting tools in the sidehead turret for facing and turning, and in the main head for boring, grooving, and chamfering.
*Buy from* UWF.

**Facing, turning, boring, grooving, and chamfering** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
32 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical boring mill, no. 3)
Order no. OE 18-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Factory worker turns farmer** (*Motion picture*) U. S. Dept. of State, 1949. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1950.
24 min., sd., b&w, 16 mm.
*Summary:* Story of a young U. S. factory worker and his wife who, through hard work, wise planning, and neighbors' aid, become the owners of a small ch[illegible]n farm. Prepared for overseas use.
*Buy from* UWF.

**A fair chance** (*Motion picture*) U. S. Information Agency, 1954. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1957.
27 min., sd., b&w, 16 mm.
*Summary:* Depicts community action in protecting the welfare of American children through a dramatized story of the illness, recovery, and rehabilitation of a young rheumatic fever victim. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

Fairbanks Morse diesel engine maintenance series
see
Inspection and preparatory steps
Removal and replacement of main bearings
Removal of cylinder liner
Removal of injection nozzles
Removal of pistons
Replacement of cylinder liner
Replacement of injection mozzles
Replacement of pistons

Fairbanks Morse diesel engine maintenance series.
Benchwork
see
Air start check valve, cylinder relief valve,
and indicator cock
Injection nozzle
Pistons and rods

**The family** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
20 min., sd., b&w, 16 mm.
*Summary:* Explains how daily problems confronting a family are solved when each member understands the needs and desires of others, and the family faces its problems together. Prepared for use in occupied areas.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Family** (*Motion picture*) U. S. Dept. of the Army, 1958.
7 min., sd., b&w, 16 mm.
Order no. TF 16-2722.
*Summary:* Dramatized story illustrating the concept of family responsibility. Made for use by Army chaplains.
*Borrow from Army.*

**The family of man** (*Motion picture*) U. S. Information Agency, 1955. Released for public educational use in the United States through U. S. Office of Education, 1955.
20 min., sd., b&w, 16 mm.
*Summary:* A portrayal of the "Family of man" exhibit on display in 1955 at the Corcoran Art Galleries, Washington, D. C. Edward Steichen describes and demonstrates various exhibit panels, discusses the basic concept of the exhibit, and explains how photography can be used as an art medium to show the universal oneness and goodness of mankind. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**The famous Third Army** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Order no. MF 45-7705.
*Summary:* Historical review of the advance of the U. S. Third Army across France and into Germany during World War II.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Famous trees in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
80 fr., b&w, 35 mm.
Order no. 507.
With lecture notes.
*Summary:* Photographs of famous trees commemorating historic events; trees noted for size, age, or unusual form; trees planted by early national leaders.
*Buy from* PhotoLab.

**Fan belt and water pump** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 4)
Order no. TF 5-1829.
*Summary:* Procedures used in checking and adjusting the fan belt and water pump of the D-7 tractor.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Farm and home development** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
40 double fr., color, 35 mm.
Order no. C-55.
With lecture notes.
*Summary:* Illustrates typical family goals and explains available resources and use of them in obtaining good family living.
*Buy from* PhotoLab.

**The farm and the farm woods** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
48 fr., b&w, 35 mm.
Order no. 622.
With lecture notes.
*Summary:* Explains the values of farm woodlands and illustrates some points of proper care and management.
*Buy from* PhotoLab.

**Farm forestry extension in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.
60 fr., b&w, 35 mm.
Order no. 393.
With lecture notes.
*Summary:* Illustrates the benefits of farm woodlands, and surveys the work of state extension foresters and county agents in promoting the proper care of such woodlands.
*Buy from* PhotoLab.

**Farm forestry in the South** (*Filmstrip*) U. S. Dept. of Agriculture, 1937.
64 fr., b&w, 35 mm.
Order no. 447.
With lecture notes.
*Summary:* Shows the kinds of trees found in the South and explains their uses and values in farm woodlands.
*Buy from* PhotoLab.

**Farm photography** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
28 fr., b&w, 35 mm.
Order no. 677.
With lecture notes.
*Summary:* Shows "tricks of the trade" in farm photography.
*Buy from* PhotoLab.

**Farm to fit your land** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
32 fr., b&w, 35 mm.
Order no. 676.
With lecture notes.
*Summary:* Illustrates proper use and treatment of land for practical purposes, and classification of land according to what it can produce best without losing its productivity.
*Buy from* PhotoLab.

**Farm water systems** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
56 double fr., color, 35 mm.
Order no. C-56.
With lecture notes.
*Summary:* Portrays a practical how-to-do-it approach to the job of promoting water systems, including the problems of adequate water supply, hard water, pump location and protection, financing, installation, and sewage disposal.
*Buy from* PhotoLab.

Farm work series. Equipment maintenance
see
Care of a tractor
Reconditioning a cultivator
Reconditioning a grain drill
Reconditioning a mower. Part 1: Cutter bar
Reconditioning a mower. Part 2: Drive system
Reconditioning a two-bottom tractor plow

Farm work series. Food preservation
see
Canning beef
Community canning

Farm work series. Forging
see
Forge welding
Forging with a hand forge
Sharpening and tempering farm tools

**Farm work series. Livestock**
see
**Handling livestock for market**
**Horseshoeing**
**Sheep shearing**

**Farm work series. Meat cutting**
see
**Cutting and boning a forequarter of beef**
**Cutting and boning a hindquarter of beef**

**Farm work series. Painting**
see
**Repainting a frame building**

**Farmer at war** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
*Summary:* How Lancaster County, Pa., farmers managed by longer hours and neighborhood cooperation to increase their production of food during World War II.
*Buy from* UWF.

**Farmer cooperation in Europe** (*Motion picture*) U. S. Foreign Operations Administration and International Federation of Agricultural Producers, 1954. Made by World Wide Pictures, London. Released in the United States through U. S. Dept. of Agriculture.
28 min., sd., b&w, 16 mm.
*Summary:* Discusses the position of the independent farmer in Europe, farmer cooperatives and their democratic methods of operating, individual fields of agriculture in which cooperatives function in Europe, and peripheral agricultural fields in which farmer cooperatives are active, including farm insurance, agricultural implement pooling, fertilizer manufacturing, scientific research, and home education programs.
*Rent from* DA film libraries.

**Farmer cooperatives today** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
20 min., sd., color, 16 mm.
Includes scenes from the 1952 film Farmers working together.
*Summary:* A report by the Farmer Cooperative Service on farmer cooperatives: what they are, the jobs their members call on them to do, and how they do them. Outlines the many types of cooperatives that farmers have set up and the kinds of services they perform.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

The farmer increases production but suffers hard times
see American history I, lecture 19: The farmer increases production but suffers hard times

**Farmers of Japan** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Army, 1948.
20 min., sd., b&w, 16 mm.
*Summary:* Shows post-war farming in Japan as illustrated by the activities of one Japanese farmer, his tools and methods, work, and way of life.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Farmers working together** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
19 min., sd., color, 16 mm.
*Summary:* Explains the operations, organization, and general activities of farmer cooperatives throughout the United States.
*Rent from* DA film libraries. *Cleared for tv.*

**Farming** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 8)
*Summary:* Describes the work of county agricultural agents, the help and services they provide the modern farmer, problems facing a typical midwestern farmer, and activities and operations of farmer cooperatives. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The fathometer** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
37 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-J, formerly SG 2983-J.
*Summary:* Explains the operation and use of sounding devices for measuring the depth of water—the lead, patent sounding machine, and fathometer.
*Buy from* UWF.

**Febre tifóide** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Portuguese version of The typhoid carrier.
*Summary:* Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.
*Buy from* UWF. *Cleared for tv.*

**Federal meat inspection** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
42 fr., b&w, 35 mm.
Order no. 405.
With lecture notes.
*Summary:* Contrasts conditions with and without Federal meat inspection, and shows the procedures followed in Federal meat inspection.
*Buy from* PhotoLab. *Cleared for tv.*

**The Federal Reserve Bank and you** (*Motion picture*) U. S. Federal Reserve Bank of Minneapolis, 1950. Made by Reid H. Ray Film Industries.
30 min., sd., b&w, 16 mm.
*Summary:* Explains through a dramatized story the operations and services of the Federal Reserve System and Banks.
*Borrow from* FRB.

**The Federal veterinarian in agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1960.
14 min., sd., color, 16 mm.
Revision of 1959 film with the same title.
*Summary:* Pictorial story of the USDA veterinarian—his past successful animal disease-eradication campaigns; his present duties in maintaining the health of America's livestock and poultry; and his future challenges in the continuing advance of veterinary medicine. Describes his work at our borders, seaports, and airports and his research activities at especially constructed laboratories.
*Rent from* DA film libraries. *Cleared for tv.*

The Federalists launch the new government
see American history I, lecture 7: The Federalists launch the new government

**Feeding farm animals** (*Motion picture*) U. S. Dept. of Agriculture, 1946.
19 min., sd., b&w, 16 mm.
*Summary:* Shows the basic principles of feeding farm animals, the six classes of nutrients—carbohydrates, fats, proteins, vitamins, minerals, and water—and the results of correct feeding.
*Rent from* DA film libraries. *Buy from* UWF.

**Feeding the patient** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.

15 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 404.

Supplemented by filmstrip of same title.

With instructor's manual.

*Summary:* Presents factors which affect appetite and digestion: preparation of the environment and the patient for the meal; proper balance of food and arrangement of the tray; individualized feeding care; and factors to be considered in after-care of the patient.

*Buy from* UWF.

**Feeding the patient** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.

42 fr., b&w, 35 mm. (Nursing series)

Order no. OE 404-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Feedwater** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

60 fr., b&w, 35 mm.

Order no. SCG 120, formerly SG 1777.

*Summary:* Explains the function of the feedwater system and shows its important parts.

*Buy from* UWF.

**Femoral artery by-pass graft with crimped teflon** (*Motion picture*) U. S. Veterans Administration, 1958.

15 min., sd., color, 16 mm.

*Summary:* Shows the preparation of a patient (a 71-year-old man with progressive intermittent claudication of the right calf) on the operating table for a preoperative arteriogram by means of a subcutaneous injection of dye in order to demonstrate patency of the branches of the popliteal artery in the leg; the operative approach to the popliteal artery and the femoral artery; and the method of handling the graft material, technique for anastomosis, and closure of the incision.

*Borrow from* VA.

**Ferramentas e máquinas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

7 min., sd., color, 16 mm.

Portuguese version of From small beginnings.

*Summary:* Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.

*Buy from* UWF. *Cleared for tv.*

**Feuillurage et toupillage d'un champ sur un matériel droit** (*Motion picture*) U. S. Office of Education, 1951.

18 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la toupie no 1)

Order no. OE 318-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1945 with title Rabbeting and shaping an edge on straight stock.

*Buy from* UWF.

**Field artillery sight tests and adjustments** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

37 min., sd., b&w, 16 mm.

Order no. TF 6-1498.

*Summary:* Demonstrates how to test and adjust field artillery sighting equipment on a 105 mm. howitzer.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Field management of eye injuries** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Eye surgery series)

Order no. MN 2477-c.

*Summary:* Demonstrates removal of the pterygium using local anaesthesia, removal of chalazion using surface anaesthesia, penetration of the cornea, corneal laceration, enucleation, and removal of intra-ocular foreign body. For medical personnel.

*Borrow from* Navy. *Buy from* UWF.

**Field training for ROTC** (*Motion picture*) U. S. Dept. of the Army, 1956.

48 min., sd., color, 16 mm.

Order no. MF 45-8575.

*Summary:* Describes life and training at a typical summer ROTC camp at Fort Benning, from the time of the cadets' arrival to their graduation, including training and qualifying standards in the various military skills, techniques and tactics under simulated combat conditions, and the ability to lead and command men.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Field training of the U. S. Corps of Cadets** (*Motion picture*) U. S. Dept. of the Army, 1959.

33 min., sd., color, 16 mm.

Order no. TF 20-2748.

*Summary:* Depicts the 8-weeks summer training program at Camp Buckner for third class West Point cadets, including physical conditioning, instruction in military doctrine and weaponry under simulated combat conditions, and realistic small unit and combined tactical exercises. Shows the intensive training given in major techniques and skills employed in the different branches of service, including the use of small arms, signal communications, field artillery, guided missiles, engineering demolitions, road construction, river crossings, and assembly of bridges.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The field training program in the USAF** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

23 min., sd., color, 16 mm.

Order no. TF 1-5323.

*Summary:* Briefs commanders and supervisors on the new U. S. Air Force training philosophy embodied in the Field Training Detachment Program and shows how the field training concept assures higher quality training for time and dollars invested.

*Borrow from* AF. *Cleared for tv.*

**Fiestas of the hills** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

10 min., sd., color, 16 mm. (Mexican fiestas series, no. 3)

*Summary:* Ceremonies at Amecameca where dancers climb the trail to Sacramente, representing that part of the Passion called Via Crucis; pilgrimage to Chalma where Lenten pilgrims visit the one-time sacred [illegible] of Oztocteotl.

*Buy from* [illegible]

**The fight against rabies** (*Filmstrip*) U. S. Public Health Service, 1947.

89 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm. 14 min.

Order no. 5-008.

With utilization guide.

Supplements the motion picture released under the title Striking back against rabies.

*Summary:* Explains the dangers of rabies, symptoms in infected dogs, measures for eliminating rabies, annual anti-rabies vaccination and control of stray dogs; and reports a case history of a dog and child.

*Borrow from* PHS. *Buy from* UWF.

**Fight for the sky** (*Motion picture*) U. S. Army Air Forces, 1945.

20 min., sd., b&w, 16 mm.

Order no. SFP 157-a.

*Summary:* A record of the operations of the fighter command of the U. S. 8th Air Force in preparing for the 1944 invasion of France and in supporting Allied ground forces.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The fight: Science against cancer** (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by the National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1951. Released in the U. S. by International Film Bureau, 1953.

21 min., sd., b&w, 16 mm.

Short version of the 1950 motion picture released under the title Challenge: Science against cancer.

With A teaching guide to The challenge of cancer, a book by Lester Grant.

*Summary:* Traces the progress of cancer research in tissue culture, biochemistry, genetics, and specific therapy; and follows a case of skin cancer from diagnosis to cure.

*Borrow from* NCI. *Buy from* IFB.

**Fighter photo, eyes of the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.
28 min., sd., color, 16 mm.
Order no. MN 7898.
*Summary:* Portrays a U. S. Navy pilot assigned to duty with a fighter photographic squadron, his training, and combat duties with a squadron operating in Korea.
*Borrow from* Navy. *Cleared for tv.*

**Fighters and builders** (*Motion picture*) U. S. Army Engineers, 1959.
29 min., sd., color, 16 mm.
*Summary:* Depicts the many fields of endeavor of the Corps of Engineers and traces the advances of the Army engineer from the Revolutionary War to date.
*Borrow from* Eng. *Cleared for tv.*

**The fighting First** (*Motion picture*) U. S. War Dept., 1946.
15 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1279.
*Summary:* Shows scenes of combat operations of the 1st Infantry Division in eight campaigns and three invasions—attacks and counterattacks on foot and in trucks and assault boats.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**A fighting lady speaks** (*Motion picture*) U. S. Dept. of the Navy, 1950.
9 min., sd., b&w, 16 mm.
Order no. MN 7283.
*Summary:* Dramatizes a typical day's activities of an aircraft carrier off the shores of Korea in 1950. Contains combat scenes of Navy planes, fighters and bombers, on missions over Korea.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Fighting lady's family** (*Motion picture*) U. S. Dept. of the Navy, 1950.
32 min., sd., b&w, 16 mm.
Order no. MN 6739.
*Summary:* A progress report on the activities and achievements of the U. S. Navy since 1945, emphasizing particularly the growth of naval aviation.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Fighting large fires in brush and grass** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
30 min., sd., color, 16 mm.
*Summary:* Demonstrates the techniques of fighting large grass and brush fires in the western United States.
*Rent from* DA film libraries.

**Filariasis** (*Filmstrip*) U. S. Public Health Service, 1947.
96 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.
Order no. 5-098.
*Summary:* Explains the necessity for further etiologic study of Bancroft's filariasis of the lymph-vascular system; the biology of the infection; the life cycle of *Wuchereria bancrofti* in human and mosquito hosts; and the diagnosis, treatment, and prevention of the disease.
*Borrow from* PHS.

**Filing** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm.
Order no. MN 150.
*Summary:* Describes the importance of files and filing in a machinist's work; shows filing techniques, and various types of files and file cuts.
*Borrow from* Navy. *Buy from* UWF.

**Filing an internal irregular shape** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
27 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the metal cutting band saw, no. 2)
Order no. OE 240.
With instructor's manual.
Supplemented by filmstrip of same title.
*Summary:* How to make file selection; set up a metal cutting band saw machine for filing; file a die; lay out a punch using a die as a template; file a punch; check the filing of a punch with a die; and fine-finish file.
*Buy from* UWF.

**Filing an internal irregular shape** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
31 fr., b&w, 35 mm. (Machine shop work series. Operations on the metal cutting band saw, no. 2)
Order no. OE 240-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Filing and installing chocks** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 3)
Order no. OE 97.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How chocks are used in machinery installation; measurements made for preparing chocks; Prussian blue and chalk used for adjusting chocks; and foundation and chocks drilled for bolting machine.
*Buy from* UWF..

**Filing and installing chocks** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 3)
Order no. OE 97-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Filing template metal** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.
15 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 5)
Order no. OE 129.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to file a square edge and remove burrs; rotate the wrist for filing inside curves; file inside rectangle; and remove fillets from corners.
*Buy from* UWF.

**Filing template metal** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.
30 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 5)
Order no. OE 129-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Filleting and packaging fish. Part 1: Catching, filleting, and packaging fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.
14 min., sd., b&w, 16 mm.
*Summary:* Explains commercial fishing operations, including trawling, processing by filleting, packaging, and freezing of fish for shipment to markets.
*Borrow from* FWS. *Buy from* UWF.

**Filleting and packaging fish. Part 2: How to fillet fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.
10 min., sd., b&w, 16 mm.
*Summary:* Through animation and live-action photography, explains the step-by-step procedures used in filleting both round and flat fish.
*Borrow from* FWS. *Buy from* UWF.

**Film strip preparation** (*Filmstrip*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.
78 fr., b&w, 35 mm.
Order no. FS 11-3.
*Summary:* Explains recommended procedures for producing filmstrips, including preparation of the scenario, layout of frames, photography, and art work.
*Borrow from* Army. *Buy from* UWF.

**Film tactics** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Harry Joe Brown. Released for public educational use through U. S. Office of Education, 1947.
22 min., sd., b&w, 16 mm.
Order no. NM 3731.
*Summary:* Emphasizes through dramatized episodes how training films should and should not be used by navy instructors and demonstrates the results of good and poor teaching.
*Borrow from* Navy. *Buy from* UWF.

**Filtration plants** (*Filmstrip*) U. S. Public Health Service, 1953
59 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm., 8 min. (Small water treatment plants, no. 1)
Order no. F 132–a.
*Summary:* Shows and explains the operations of the mixing basin, settling basin, gravity sand filters, and chlorinator of a water treatment plant, and storage of water in a reservoir.
*Borrow from* PHS. *Buy from* UWF.

**Finding minutes** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New Jersey Extension Service, 1943.
43 fr., b&w, 35 mm.
Order no. 38.
With lecture notes.
*Summary:* Explains ways in which time is wasted in farm homemaking; and shows methods of planning work routines.
*Buy from* PhotoLab.

**Fine grinding** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
15 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 183
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up lenses in multiple spindle machine; adjust grinding machine for grinding concave or convex lenses; and wash and inspect lenses after the grinding.
*Buy from* UWF.

**Fine grinding** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
44 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 183–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Fine grinding and polishing** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.
32 min., sd., b&w, 16 mm. (Optical craftsmanship series. Flat surfaces)
Order no. MN 2449–k.
*Summary:* Illustrates techniques of fine grinding and polishing flat surfaces, including setting the molds, blocking and deblocking, and scoring lathes to achieve different results in the finished product.
*Borrow from* Navy. *Buy from* UWF.

**Fingerprint lifting** (*Filmstrip*) U. S. Dept. of the Army, 1954.
62 fr., b&w, 35 mm.
Order no. FS 19-10.
*Summary:* Explains three systems of fingerprints—plastic, visible, and latent—and shows techniques used in discovering and preserving such fingerprints at the scene of a crime.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fingerprinting and fingerprint examination** (*Filmstrip*) U. S. Dept. of the Army, 1953.
69 fr., b&w, 35 mm.
Order no. FS 19-9.
*Summary:* Shows how to take fingerprints, complete the fingerprint cards, and recognize fingerprint patterns.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Finish forming by hand** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.
16 min., sd., b&w, 16 mm. (Aircraft work series. Forming (sheet metal) no. 4)
Order no. OE 135.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Successive stages of forming with a flat fibre strip; shrinking large wrinkles with a forming tool; marking excess metal with a surface gage; and checking finished work with a contour template.
*Buy from* UWF.

**Finish forming by hand** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.
38 fr., b&w, 35 mm. (Aircraft work series. Forming (sheet metal) no. 4)
Order no. OE 135–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Finishing molded parts** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
14 min., sd., b&w, 16 mm. (Plastics series, no. 9)
Order no. OE 474.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to trim the gate; drum-sand the cable hole and gate; retap metal inserts; remove flash from contours; and sand, buff, and polish the finished part.
*Buy from* UWF.

**Finishing molded parts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
42 fr., b&w, 35 mm. (Plastics series, no. 9)
Order no. OE 474–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Finishing series
see Aircraft work series. Finishing

**Fire and flood** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
10 sec., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 3)
*Summary:* An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Fire and water** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., color, 16 mm. (Mexican fiestas series, no. 1)
*Summary:* The Lenten fiesta at Taxco; dancers of the True Cross performing typical dances; customs and dances accompanying the blessing of the headwaters of the River Lerma at Almaloya del Rio.
*Buy from* UWF.

**Fire ant on trial** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
28 min., sd., color, 16 mm.
*Summary:* Describes the destructiveness of the fire ant and shows, by photomicrography and animation, the growth and life of the ant.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

Fire ant on trial
see also
The imported fire ant

**Fire: Artillery action in Korea** (*Motion picture*) U. S. Dept. of the Army, 1952.

14 min., sd., b&w, 16 mm.
Order no. MF 6-7900.

*Summary:* Story of the support given infantry troops in Korea by an artilleryman and his 105-millimeter howitzer which he affectionately calls "Joe."

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fire in the forest** (*Motion picture*) U S. Dept. of Agriculture, 1951.

23 min., sd., color, 16 mm.

*Summary:* Shows how fuel, weather, and slope affect the behavior of forest fires.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Fire power** (*Motion picture*) U. S. Dept. of the Army, 1956.

25 min., sd., b&w, 16 mm.
Order no. MF 45-8711.

*Summary:* A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power to maintain the peace. Shows how the skilled use of weapons by man has spelled the difference between defeat and victory on the battlefield through the ages; traces the development of fire power in this country, and points up its decisive role in the major conflicts of history.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fire prevention: Know your fire hazards** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

20 min., sd., color, 16 mm.
Order no. MN 8330-b.

*Summary:* Describes the fire characteristics of certain materials used at home or at work and their potential danger.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Fire prevention: The nature of fire** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

16 min., sd., color, 16 mm.
Order no. MN 8330-a.

*Summary:* Shows, by means of animation and laboratory-type demonstrations, that a fire has three essential elements—oxygen, temperature, and fuel; and that any fire, regardless of size, can be controlled by the elimination of any one of these elements.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Fire weather** (*Motion picture*) U. S. Weather Bureau, 1936.

14 min., sd., b&w, 16 mm.

*Summary:* Explains how the U. S. Weather Bureau gathers forest-fire weather data and distributes warnings of fire hazards.

*Borrow from* WB. *Buy from* UWF.

**Fireroom operation: preliminary and emergency** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1946.

12 min., sd., b&w, 16 mm. (Fireroom operation series)
Order no. MN 2356-g.

*Summary:* Shows the preliminary and check-up steps in lighting-off a cold boiler with no available steam supply, and emergency measures which may be used.

*Borrow from* Navy. *Buy from* UWF.

Fireroom operation series
see
Combustion control
Fireroom operation: preliminary and emergency
Superheat control

**First aid. Part 1: Major wounds and fractures** (*Motion picture*) U. S. Dept. of the Army, 1957.

33 min., sd., color, 16 mm.
Order no. TF 8-2292.

*Summary:* Describes first aid procedures in treating wounds of the chest, belly, head, and face, including application of elementary and improvised pressure dressings and the use of a tourniquet to stop uncontrolled bleeding; and procedures in treating fractures of the jaw, leg, elbow, arm, ribs, neck, and back, including proper splinting, use of sling for arm fractures, and handling of victims with rib, neck, and back fractures.

*Borrow from* Army.

**First aid. Part 2: Everyday emergencies** (*Motion picture*) U. S. Dept. of the Army, 1956.

29 min., sd., b&w, 16 mm.
Order no. TF 8-2293.
Revision of the 1951 film with same title (order no. TF 8-1581)

*Summary:* Describes treatment for snake bite; poison taken internally; poison ivy, oak, and sumac; chemical in the eye; soft and hard foreign matter in the eye; foreign object in the nose; bug or insect in the ear; something stuck in the throat; splinters; blisters; faintness; artificial respiration, back-pressure arm-lift method; carbon monoxide poisoning; and electric shock.

*Borrow from* Army. *Buy from* UWF.

**First aid for all hands: Asphyxia** (*Motion picture*) U. S. Dept. of the Navy, 1959.

15 min., sd., b&w, 16 mm.
Order no. MN 8188-b.

*Summary:* Shows how to recognize and treat asphyxia. points out some precautions to observe in rescuing asphyxiated persons; demonstrates methods of applying artificial respiration, with emphasis upon the basic elements inherent in all methods.

*Borrow from* Navy.

**First aid for all hands: Bleeding** (*Motion picture*) U. S. Dept. of the Navy, 1959.

15 min., sd., b&w, 16 mm.
Order no. MN 8188-c.

*Summary:* Shows how to recognize and treat injuries involving various kinds of bleeding. Includes examples of life-threatening bleeding. Demonstrates in detail how and when to use the pressure dressing, elevation, or the tourniquet.

*Borrow from* Navy.

**First aid for all hands: Burns** (*Motion picture*) U. S. Dept. of the Navy, 1959.

12 min., sd., b&w, 16 mm.
Order no. MN 8188-e.

*Summary:* Explains how to recognize the severity of a burn. Shows how to give first aid for a thermal or chemical burn; demonstrates how to relieve pain, prevent shock, and prevent infection.

*Borrow from* Navy.

**First aid for all hands: Fractures** (*Motion picture*) U. S. Dept. of the Navy, 1959.

24 min., sd., b&w, 16 mm.
Order no. MN 8188-d.

*Summary:* Shows how to recognize and treat a fracture, with emphasis upon fractures of the extremities, skull, spine, and pelvis. Special attention is given to the care necessary in handling these fractures.

*Borrow from* Navy.

**First aid for all hands: Handling and transporting** (*Motion picture*) U. S. Dept. of the Navy, 1959.

13 min., sd., b&w, 16 mm.
Order no. MN 8188-f.

*Summary:* Outlines the principles for handling and transporting of injured persons.

*Borrow from* Navy.

**First aid for all hands: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1959.

12 min., sd., b&w, 16 mm.
Order no. MN 8188-a.

*Summary:* Establishes the framework of six films by presenting a systematic approach to the examination of an injured person and by establishing the priority for various first aid treatment procedures.

*Borrow from* Navy.

**First aid for burns** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

23 min., sd., color, 16 mm.
Order no. MN 8185.

*Summary:* Explains the first aid treatment for burns to relieve pain, to prevent or treat shock, and to prevent infection. Emphasizes the necessity for giving prompt and appropriate first aid care. Designed primarily for use with Navy hospital corpsmen.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**First aid for fractures: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1956.
15 min., sd., color, 16 mm.
Order no. MN 8284–a.
*Summary:* Explains recognition and general first-aid treatment of fractures, with emphasis on fractures of the extremities. Includes descriptions of the basic types of fractures—greenstick, impacted, and comminuted.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**First aid for fractures: Skull, spine, and pelvis** (*Motion picture*) U. S. Dept. of the Navy, 1956.
13 min., sd., color, 16 mm.
Order no. MN 8184–b.
*Summary:* Explains the seriousness of fractures of the skull, spine, and pelvis. Through a series of simulated cases, aboard ship and in the field, depicts specific procedures for recognizing and treating each of these types of fractures.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**First aid for fractures: The Thomas leg splint** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.
8 min., sd., b&w, 16 mm.
Order no. MN 8184–e.
*Summary:* Demonstrates step-by-step how to apply a Thomas leg splint (half-ring) to immobilize any fracture of the thigh, knee, or leg.
*Borrow from* Navy. *Buy from* UWF.

**First aid for fractures: The triangular arm splint** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.
6 min., sd., b&w, 16 mm.
Order no. MN 8184–c.
*Summary:* Demonstrates step-by-step how to apply a triangular arm splint, and shows how it is employed in combination with a single padded basswood splint for fractures of the upper or lower arm.
*Borrow from* Navy. *Buy from* UWF.

**First aid for fractures: The universal leg splint** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.
5 min., sd., b&w, 16 mm.
Order no. MN 8184–d.
*Summary:* Demonstrates step-by-step how to apply a universal leg splint to fractures of the lower extremity.
*Borrow from* Navy. *Buy from* UWF.

**First aid for heat stroke and heat exhaustion** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Herbert Kerkow.
19 min., sd., color, 16 mm.
Order no. MN 8186.
*Summary:* Demonstrates how to recognize and treat heat stroke and heat exhaustion cases. Designed primarily for use with Navy hospital corpsmen.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**First aid handling and transporting of the injured: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8187–a.
*Summary:* Reviews the seven principles of proper handling and transporting casualties. Do not move before examining and treating. Keep injured lying down. Handle carefully. Attach record. Use three men to roll or lift. Keep warm. Use stretcher for transport.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**First aid handling and transporting of the injured: Lifelines, improvised stretchers, and carriers** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8187–c.
*Summary:* Covers special techniques of handling and transporting the injured in emergency situations where standard stretchers are not available. Includes use of lifelines, various improvised stretchers, the firemen's carry, pack-strap carry, tied-hands crawl, collar or clothes drag, three-man carry, and the two-man carry.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**First aid handling and transporting of the injured: Mastering basic techniques** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.
27 min., sd., b&w, 16 mm.
Order no. MN 8187–b.
*Summary:* Reviews techniques for straightening a seriously injured casualty: rolling, lifting, transporting in the Army litter, and the use of the Stokes and Neil Robertson stretchers.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

First aid series. (U. S. Navy Dept.)
see
Artificial respiration
The body, part 1
The body, part 2
Burns

**First aid use of morphine** (*Motion picture*) U. S. Navy Dept., 1959.
20 min., sd., color, 16 mm.
Order no. MN 8189.
*Summary:* Explains when to use and when not to use morphine. Offers examples of typical injuries for which morphine is indicated and contraindicated. Demonstrates through experimentation on a dog the dangers of indiscriminate use of morphine. Shows how to recognize the signs of morphine poisoning and demonstrates how to treat it. Provides a step-by-step demonstration of how to use the morphine syrette.
*Borrow from* Navy.

**The first forty days** (*Motion picture*) U. S. Dept. of the Army, 1950.
24 min., sd., b&w, 16 mm.
Order no. MF 45–7761.
*Summary:* Presents the first 40 days of American combat in Korea, arrival of troops, unloading of supplies and equipment, combat scenes of Generals Walker and Dean, arrival of replacements, combat scenes at Taejon, blowing up bridges, and establishing defense lines.
*Borrow from* Army *Buy from* UWF. *Cleared for tv.*

**First impressions** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.
21 min., sd., b&w, 16 mm.
Order no. MN 1374.
*Summary:* Emphasizes the importance of first impressions, and demonstrates step-by-step a technique of introducing a new employee to th[illegible]
*Borrow from* Navy. *Buy from* UWF.

**First lessons in beekeeping** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.
45 fr., b&w, 35 mm.
Order no. 346.
With lecture notes.
*Summary:* Shows standard equipment for and practical methods of handling bees in the production of honey for home use.
*Buy from* PhotoLab.

**First things first** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.
25 fr., b&w, 35 mm.
Order no. 640.
*Summary:* Shows how to control erosion by means of contouring on land of gentle slopes and by grassed waterways on steeper slopes.
*Buy from* PhotoLab.

**Fish and dams** (*Motion picture*) U. S. Army Engineers, 1956.
13 min., sd., color, 16 mm.
Revision of the 1955 motion picture of the same title.
*Summary:* Depicts the Chinook salmon run from the time fish leave the ocean until they reach upstream spawning grounds in the tributaries of the Middle Snake River in Idaho.
*Borrow from* Eng. *Cleared for tv.*

**Fish cookery with savoir** (*Motion picture*) U. S. Fish and Wildlife Service, 1958. Made by Milner Productions.
14 min., sd., color, 16 mm.
*Summary:* Describes and demonstrates the preparation and cooking of four fish dishes.
*Borrow from* FWS. *Cleared for tv.*

**Fish inspection. Part 1: North Atlantic fish** (*Filmstrip*) U. S. Dept. of the Army, 1956.
50 fr., color, 35 mm. and disc: 1 [illegible], 16 in., 33⅓ rpm, 7 min.
Order no. SFS 8–207.
*Summary:* Shows how fish are inspected, processed, and handled from the time they are caught to their final destination at a military installation. Centers on fish indigenous to North Atlantic waters: cod, haddock, cusk, pollock, and perch. Emphasizes the responsibilities of the veterinary inspector.
*Borrow from* Army. *Buy from* UWF.

**Fishery products standards** (*Motion picture*) U. S. Fish and Wildlife Service, 1956. Made by James R. Lee Productions.
14 min., sd., color, 16 mm.
*Summary:* Explains the importance of maintaining the quality of fish products, and describes the standards for and the grading of fish sticks.
*Borrow from* FWS. *Cleared for tv. Prior authorization required.*

**The fit of a man's suit** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.
30 double fr., b&w, 35 mm.
Order no. 709.
With lecture notes.
*Summary:* Explains factors to be considered in judging the fit of a man's suit.
*Buy from* PhotoLab.

**Fitting and installing a section of pipe aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1944.
20 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)
Order no. MN 2337–d.
Supplemented by filmstrip with same title.
*Summary:* How to apply flanges, insert bolts, install pipe hangers, weld a fitted template, apply same principles to wooden and mechanical templates, and set up and install female template aboard ship.
*Borrow from* Navy. *Buy from* UWF.

**Fitting and installing a section of pipe aboard ship** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp.
66 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting)
Order no. SN 2337–p.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Fitting and installing packing** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
9 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341–b.
*Summary:* How to fit and install packing in the center section of the cradle to support weight where ship is nearly flat.
*Borrow from* Navy. *Buy from* UWF.

**Fitting and scraping small bearings** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.
24 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 3)
Order no. OE 36.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to scrape split bearings for shaft fit and alignment; "relieve" a split bearing to aid lubrication; and cut oil grooves in the cap of a split bearing.
*Buy from* UWF.

**Fitting and scraping small bearings** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
50 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 3)
Order no. OE 36–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Fitting dresses** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.
31 double fr., color, 35 mm.
Order no. C–13.
*Summary:* Explains how to make simple alterations and correct the more common dress-fitting problems.
*Buy from* PhotoLab.

**Fitting of the Army green uniform** (*Motion picture*) U. S. Dept. of the Army, 1957.
35 mm., sd., b&w, 16 mm.
Order no. TF 10–2426.
*Summary:* Defines the approved concept of fit of the Army green uniform, giving detailed instruction on the technique of fitting each garment—shirts, trousers, coats, caps, and overcoats; the try-on method of fitting; the economy of finding the model of each garment which will require the least amount of alteration; and authorized alterations. Primarily for Quartermaster clothing fitters.
*Borrow from* Army.

**Fitting tube, shaft, and propeller** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
29 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 9. Laying out and installing stern tube, tail shaft, and propeller, no. 4)
Order no. OE 342.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How the stern tube and tail shaft are installed; how the propeller is swung into position and lined up; how the fairwater cap and rope guard are installed; and how the tail-shaft assembly is secured for launching.
*Buy from* UWF.

**Fitting tube, shaft, and propeller** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
58 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 9. Laying out and installing stern tube, tail shaft, and propeller, no. 4)
Order no. OE 342–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Five keys** (*Motion picture*) U. S. Post Office Dept., 1956. Made by Byron, i[illegible]
20 min., sd., b&w, 16 mm.
*Summary:* Deals with inter-personal relationships, particularly those between supervisors and subordinates. For use by postal supervisors.
*Borrow from* PO. *Cleared for tv.*

**Fixed bridge construction and repair in the CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.
11 min., sd., b&w, 16 mm.
Order no. FB 5–192.
*Summary:* Shows how U. S. Army engineers built and repaired fixed bridges in the China-Burma-India theater of operations during World War II.
*Borrow from* Army. *Buy from* UWF.

**Fixed gages** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.
17 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 3)
Order no. OE 3.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Types and uses of gages for precision measurement—snap, ring, plug, taper plug, taper ring, flush pin, and screw plug gages.
*Buy from* UWF.

**Fixed gages** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
35 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 3)
Order no. OE 3–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Flame spraying of thiokol** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

22 min., sd., color, 16 mm.
Order no. MN 7976.

*Summary:* Shows the equipment used in flame spraying of thiokol, preparation of the surfaces, the proper technique for spraying, and various test procedures.

*Borrow from* Navy. *Buy from* UWF.

**Flat hatting** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1953.

5 min., sd., b&w, 16 mm. (Flight safety series)
Order no. MN 4353–d.

*Summary:* An animated cartoon characterizing the habit of flat hatting as childish behavior which endangers life and property and brings disaster to the pilot in the form of a court martial and discharge from the Navy.

*Borrow from* Navy.

Flat surfaces series
see Optical craftsmanship series. Flat surfaces

**The fleet that came to stay** (*Motion picture*) U. S. Dept. of the Navy, 1945.

22 min., sd., b&w, 16 mm.
Order no. MN 5802.

*Summary:* Explains the invasion of Okinawa from the U. S. Navy point of view and illustrates the operation by scenes of the combat.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Flexion exercises in the management of low back mechanical disorders** (*Motion picture*) U. S. Veterans Administration, 1956.

39 min., sd., color, 16 mm.

*Summary:* Reviews various treatments for low-back mechanical disorders; describes the use of a set of flexion exercises for patients with herniated or bulging discs, spur formations on vertebrae, spondylolisthesis, postural backache, several congenital anomalies, and in postoperative care. Emphasizes that flexion exercises are a contribution to the total knowledge of low-back mechanical disorders rather than a definitive treatment.

*Borrow from* VA. *Buy from* UWF.

**Flight control systems** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

49 fr., b&w, 35 mm.
Order no. SN 1997.

*Summary:* Demonstrates operation of simple wire control system using stick and rubber pedals; torque tube systems; combinations of torque tubes and wires; push-pull tubes; and wheel control in aircraft construction.

*Borrow from* Navy. *Buy from* UWF.

**Flight instruments** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

91 fr., b&w, 35 mm.
Order no. SN 806.

*Summary:* Explains the operation of instruments relating to flight, their basic construction, common causes of faulty readings, and compensations required for altitude and temperature factors.

*Borrow from* Navy.

**Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or + -tails** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

12 min., si., color, 16 mm.
Order no. L–146.

*Summary:* Shows behavior of four configurations of a model representing propeller-driven fighter-type vertically-rising airplanes in take-off, landing, and hovering flight tests conducted in a hovering flight test facility. Also shows model tests of transition from hovering to normal forward flight in a full-scale wind tunnel. A record film for technical personnel, to be used with NACA Technical note 3812, Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or + - tails.

*Borrow from* NASA.

Flight safety series
see
Bailing out
Disorientation crashes
Emergency landing on land
Flat hatting
Hazards in ground operation of jet aircraft
Landing accidents
Taxiing collisions

**Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

13 min., si., color, 16 mm.
Order no. L–42.

*Summary:* Shows results of stability and control tests of a model resembling the Ryan X–13 vertijet airplane during constant-altitude transition from hovering to forward flight. The flights are made in a full-scale wind tunnel. For technical personnel, to be used with NACA Research memorandum L55B17: Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan.

*Borrow from* NASA.

**Flight tests of a model of a high-wing transport vertical-take-off airplane with tilting wing and propellers and with jet controls at the rear of the fuselage for pitch and yaw control** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

10 min., si., color, 16 mm.
Order no. L–199.

*Summary:* Records the results of stability and control tests in a full-scale wind tunnel of a remotely controlled free-flight model of a concept of a high-wing four-engine transport vertical-take-off airplane during constant-altitude transitions from hovering to normal forward flight. For technical personnel to be used with NACA Technical note 3912: Flight tests of a model of a high-wing transport vertical-take-off airplane with tilting wing and propellers and with jet controls at the rear of the fuselage for pitch and yaw control.

*Borrow from* NASA.

**Flight tests of a 0.4-scale model of a stand-on type vertically rising aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

6 min., si., b&w, 16 mm.

*Summary:* Shows preliminary free-flight tests of the stability and control of a remotely controlled model of a proposed light-weight, man-carrying, vertically rising research aircraft of a stand-on type. For technical personnel, to be used with NACA Research memorandum L54B16b: Flight tests of a 0.4-scale model of a stand-on type of vertically rising aircraft.

*Borrow from* NASA.

**Flight through instruments: Basic instrument flying** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Polaris Pictures.

24 min., sd., b&w, 16 mm.
Order no. MN 6773–a.

*Summary:* Shows a pilot how to use the instrument panel as a lens or window through which he "sees" the airplane in its relation to the three dimensions in which it travels. Illustrates the instruments that are now standard equipment in modern planes and explains how to use them.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Flight through instruments: Enroute procedures** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.

25 min., sd., b&w, 16 mm.
Order no. MN 6773–b.

*Summary:* A narrative treatment of three IFR (instrument flight rules) flights converging on Los Angeles International Airport during instrument conditions. Designed to familiarize the naval aviator with CAA instrument flight rules, the air route traffic control center, and approach control. Emphasis is placed on holding, radio failure, and missed approach.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Flight through instruments: Terminal procedures** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.
21 min., sd., b&w, 16 mm.
Order no. MN 6773–c.
*Summary:* A narrative treatment of an IFR (instrument flight rules) flight in a Navy plane from Corpus Christi to Litchfield Park designed to familiarize the naval aviator with CAA instrument flight rules, the air route traffic center, and approach control. Emphasis is placed on pre-flight action, air traffic clearance, on airways IFR flight, and cancelling IFR flight.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Before you fly** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
14 min., sd., b&w, 16 mm.
Order no. MN 7398–a.
*Summary:* Shows the basic pilot preflight check using the SNJ–6 trainer; stresses the pattern to be used by pilots in inspecting their aircraft prior to flying. Demonstrates how to leave the line, taxi, and return to the line, and how to start and stop the engine.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Crosswind approaches, landings, and takeoffs** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
8 min., sd., b&w, 16 mm.
Order no. MN 7398–c.
*Summary:* Explains principles of crosswind crabbing, and approach and landing techniques.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Emergencies** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
9 min., sd., b&w, 16 mm.
Order no. MN 7398–d.
*Summary:* Illustrates high altitude and low altitude emergency procedures as taught in the SNJ–6 basic trainer.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Fundamentals of formation flying, three plane and four plane** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
25 min., sd., b&w, 16 mm.
Order no. MN 7398–l.
*Summary:* Explains to the student naval aviator the basic fundamentals of formation flying. Shows formation maneuvers in plane photography, animation, and student's eye view sequences starting with rendezvous through break-up. Based upon three- and four-plane sections using SNJ–6 aircraft.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Small fields** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
11 min., sd., b&w, 16 mm.
Order no. MN 7398–e.
*Summary:* Demonstrates the small field pattern; emphasizes the no. 1 and no. 2 positions and approaches from these positions; and shows the effect of wind and the importance of crosswind gliding.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Takeoffs, approaches, and landings** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
14 min., sd., b&w, 16 mm.
Order no. MN 7398–b
*Summary:* Demonstrates basic approach, landing, and take-off techniques to student aviators.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: The barrel roll** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.
9 min., sd., b&w, 16 mm.
Order no. MN 7398–h.
*Summary:* Explains to student pilots the overall pattern and positions of the SNJ aircraft in the barrel roll. Shows specific relationships of the plane to ground check points during clearing turns, initial starting point, 45° position, inverted position, and recovery.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: The wingover roll** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.
11 min., sd., b&w, 16 mm.
Order no. MN 7398–g.
*Summary:* Explains to student pilots the overall pattern and positions of the SNJ aircraft in the wingover roll. Shows specific relationships of the plane to ground check points during clearing turns, initial starting point, 45° position, 90° inverted position, and recovery.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flight training: Wingovers and chandelles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.
13 min., sd., b&w, 16 mm.
Order no. MN 7398–f.
*Summary:* Shows the performance of wingovers and chandelles, stressing the reasons for these maneuvers and how a student can learn to coordinate controls through practicing these maneuvers.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Flipper returns** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
1 min., sd., color, 16 mm. (Smokey Bear [illegible] fire prevention, series 4, no. 2)
*Summary:* An animated cartoon in which Jack-the-Flipper returns to his careless habits of starting forest fires and is warned by Smokey Bear. For television use.
*Rent from DA film libraries. Buy from DA. Cleared for tv.*

**Floating drydocks: Careening the YFD–6** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. MN 9042.
*Summary:* Shows the method of tipping an 18,000 ton yard floating dock on its beam to provide passage through the Panama Canal, and explains the need for this type of careening where docks have a wider beam than the width of the canal.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

Floating drydocks series
see
The ABD: Wing raising by the floatation method
The combat dock: ABD mechanical wing wall raising
The combat dock: ABSD, addition of section and crane transfer
The combat dock: Mooring the ABSD–1
The combat dock: Principles of construction and operation
The combat dock: Self docking the YFD; construction and operation of the ARD
Combat docking

**Floating fortress** (*Motion picture*) U. S. Dept. of the Navy, 1952.
14 min., sd., b&w, 16 mm.
Order no. MN 7834.
*Summary:* Portrays a day's activities aboard a U. S. battleship off the coast of Korea, including bombardment of enemy positions along the shore, and living conditions and habits of officers and crew.
*Borrow from Navy. Cleared for tv.*

**A flocculation test for trichinosis** (*Filmstrip*) U. S. Public Health Service, 1956.
85 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. F 242.
*Summary:* Shows the materials used and complete procedures for the modified bentonite flocculation test, including reconstitution of the bentonite, preparation of the antigen, standardization of the reagents, and typical appearance of the flocculated particles. For laboratory technicians.
*Borrow from* PHS. *Buy from* UWF.

**Flood fight** (*Motion picture*) U. S. Army Engineers, 1950.
26 min., sd., b&w, 16 mm.
*Summary:* Demonstrates various procedures and techniques used in fighting floods. Primarily for the training of flood fighting personnel.
*Borrow from* Eng.

**Flood fighting methods** (*Motion picture*) U. S. Army Engineers, 1959.
28 min., sd., color, 16 mm.
*Summary:* Discusses the position and policy of the Corps of Engineers in a flood fight. Shows actual flood fight situations and describes the solution to these problems in a flood-fighting school.
*Borrow from* Eng. *Cleared for tv.*

**Flood weather** (*Motion picture*) U. S. Weather Bureau, 1937.
31 min., sd., b&w, 16 mm.
*Summary:* Explains weather forecasting for river navigation and flood protection. Includes scenes of the Potomac flood, 1936, and the Ohio flood, 1937.
*Borrow from* WB. *Buy from* UWF.

Floor molding series
see Foundry practice series. Floor molding

**The flow process chart and how to use it** (*Motion picture*) U. S. Office of Scientific Research and Development, 1945. Released for public educational use through U. S. Library of Congress, 1947, and U. S. Office of Education, 1951.
15 min., sd., color, 16 mm.
*Summary:* Shows the use of a flow process chart in the study and application of work simplification, the meaning of the symbols used on such a chart, and the use of the chart in analyzing the relatively simple job of shaving.
*Buy from* UWF.

**Flue gas analysis (Orsat apparatus)** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.
19 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 367.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up the Orsat gas analyzer; collect an air-free sample of flue gas; absorb and measure the amounts of carbon dioxide, oxygen, and carbon monoxide in the sample; and calculate the amount of nitrogen
*Buy from* UWF.

**Flue gas analysis (Orsat apparatus)** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.
43 fr., b&w, 35 mm. (Engineering series)
Order no. OE 367–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The fluid coupling, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1954.
13 min., sd., b&w, 16 mm. (Hydramatic transmission series)
Order no. TF 9–1953.
Revision of the 1943 film with the title Theory and principles of operation, fluid coupling and gear train.
*Summary:* Explains the fluid coupling, its component parts, and operation.
*Borrow from* Army. *Buy from* UWF.

**Fluid flow in hydraulic systems** (*Motion picture*) U. S. Dept. of the Navy, with the cooperation of Adel Products Corp., 1944. Released for public educational use through U. S. Office of Education, 1951.
9 min., sd., color, 16 mm.
Order no. MN 5027–b.
*Summary:* Explains the nature of liquids, types of flow, causes of types of flow, and flow through pipes and orifices.
*Borrow from* Navy. *Buy from* UWF.

**Fluoridation** (*Motion picture*) U. S. Public Health Service, 1952.
5 min., sd., color, 16 mm.
*Summary:* Describes the research on which fluoridation is based, the benefits obtained by adding fluoride to community water supplies, and the method of adding fluoride. Uses the filmograph technique.
*Borrow from* PHS. *Buy from* UWF.

**Fluoridation story** (*Motion picture*) U. S. Public Health Service, 1951.
3 min., sd., color, 16 mm.
*Summary:* Explains that communities can reduce tooth decay by adding sodium fluoride to the water supply, and emphasizes the economy and simplicity of doing so. Uses the filmograph technique.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Fly control through basic sanitation** (*Motion picture*) U. S. Public Health Service, 1950.
9 min., sd., color, 16 mm. (Community fly control series)
Order no. 4–090.
*Summary:* Shows conditions which favor fly breeding in a community—filth, warmth, moisture, and time for development; and outlines specific procedures in urban and rural areas for basic sanitation programs, particularly the elimination of open garbage and refuse dumps.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Fly density surveys by the grill method** (*Motion picture*) U. S. Public Health Service, 1949.
6 min., sd., color, 16 mm. (Community fly control series)
Order no. 4–086.
With film guide.
Filmstrip of the same title also available.
*Summary:* Explains the nature, construction, and use of the fly grill for measuring fly density.
*Borrow from* PHS. *Buy from* UWF.

**Fly density surveys by the grill method** (*Filmstrip*) U. S. Public Health Service, 1949.
28 fr., color, 35 mm. (Community fly control series)
Order no. 5–133.
With film guide.
Motion picture of the same title also available.
*Borrow from* PHS.

**Flying follies** (*Motion picture*) U. S. Army Air Forces, 1945.
30 min., sd., b&w., 16 mm.
Order no. TF 1–4068.
*Summary:* Shows how aircraft accidents occur and illustrates measures to be taken to avoid such accidents.
*Borrow from* AF. *Cleared for tv.*

**Flying in a pressure cabin** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Polaris Pictures.
20 min., sd., color, 16 mm.
Order no. MN 9615.
*Summary:* Presents instructions concerning the proper operation of aircraft pressurization and air conditioning systems and emergency procedures to be followed in the event of loss of cabin pressure.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Flying safety report no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
22 min., sd., b&w, 16 mm.
Order no. FR 78
*Summary:* Presents a comprehensive outline of the aircraft and missile accident prevention program for 1960.
*Borrow from* AF.

**Flying soldiers** (*Motion picture*) U. S. Dept. of the Army, 1958.
30 min., sd., b&w, 16 mm.
Order no. MF 46-8998.
*Summary:* Explains the purpose and application of the new concept of Army tactical mobility through Army aviation; reviews the use and capabilities of the helicopter and fixed-wing aircraft; and shows the techniques employed to paradrop supplies, lay wire, and transport missiles and launching equipment.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Flying the weather map** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
27 min., sd., color, 16 mm. (Aerology series)
Order no. MN 119-h.
*Summary:* Shows observers determining weather conditions. Illustrates the features of a weather map and shows various fronts represented by colored lines. Explains symbols indicating precipitation areas, thunderstorms, rain showers, air masses, and pressure areas.
*Borrow from* Navy.

**Flying the weather map: The equatorial front** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.
12 min., sd., b&w, 16 mm.
Order no. MN 3112-c.
*Summary:* Discusses the equatorial weather front—the area it covers, how it is caused, how the clouds look, where and when it changes (seasonal, daily, hourly) and how to calculate changes. Explains how to fly the equatorial front. Points out that up-to-date information about the equatorial front depends on data which pilots bring back from trips.
*Borrow from* Navy.

**Flying the weather map: The howgozit chart** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., color, 16 mm.
Order no. MN 3112-b.
*Summary:* Explains the purpose of the "howgozit" chart and shows how a Navy flight control officer plots the expected fuel consumption and the navigator checks consumption during flight.
*Borrow from* Navy. *Buy from* UWF.

**Flying the weather map: Weather for the navigator** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
9 min., sd., b&w, 16 mm.
Order no. MN 3112-a.
Also known as Weather for the navigator.
*Summary:* Illustrates the assistance rendered to navigators by the radio which has made each navigator a member of a vast network of observers, each sending his own limited observations to professional forecasters at weather centrals.
*Borrow from* Navy.

**Flywheel clutch and starting engine clutch** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 3)
Order no. TF 5-1828.
*Summary:* Explains methods of detecting and adjusting malfunctioning of the flywheel clutch and the starting engine clutch.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fog** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
25 min., sd., color, 16 mm. (Aerology series)
Order no. MN 119-b.
*Summary:* Discusses the theory of fog formation and the characteristics and conditions conducive to fog.
*Borrow from* Navy.

**Fog and low stratus clouds** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Loucks and Norling, inc.
10 min., sd., color, 16 mm. (Aerology series)
Order no. MN 7304-a.
*Summary:* Explains upslope fog, frontal system fogs, and the formation of low stratus clouds as aviation hazards.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Follow me** (*Motion picture*) U. S. Dept. of Defense, 1953.
21 min., sd., b&w, 16 mm.
Order no. RTAF 150.
*Summary:* Explains and illustrates the functions and operations of the U. S. Army Infantry School at Fort Benning, Ga.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fontana Dam** (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Sam Orleans Associates.
21 min., sd., color, 16 mm.
*Summary:* Record of engineering processes used in construction of Fontana Dam across the Little Tennessee River in the Great Smoky Mountains of North Carolina. Primarily for technical use.
*Borrow from* TVA. *Buy from* TVA. *Cleared for tv.*

**Food and soil** (*Motion picture*) U. S. Dept. of Agriculture, 1945.
11 min., sd., color, 16 mm.
*Summary:* Highlights of soil conservation with emphasis upon the relationship between productive soil and food supply.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Food conservation: The dollars and sense of good eating** (*Motion picture*) U. S. Dept. of the Army, 1956.
9 min., sd., b&w, 16 mm.
Order no. TF 10-2244.
*Summary:* Using familiar mess hall and chow line scenes, points out that soldiers should not take more food than they intend to eat.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Food for fitness** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
24 double fr., color, 35 mm.
Order no. C-68.
With lecture notes.
*Summary:* Discusses a daily food guide developed by nutritionists of the U. S. Department of Agriculture which makes it easy to select nutritious meals based on four kinds of food—milk, meat or alternate, vegetables and fruits, breads and cereals. Shows examples of suggested foods and illustrates typical meals.
*Buy from* PhotoLab.

**Food for thought** (*Motion picture*) U. S. Dept. of Defense, 1947.
8 min., sd., b&w, 16 mm.
On reel with No place like home.
Order no. AFSR 88.
*Summary:* Explains the importance of food conservation by soldiers.
*Borrow from* Army. *Buy from* UWF.

**Food for thought** (*Motion picture*) U. S. Fish and Wildlife Service, 1950. Made by Sun Dial Films.
15 min., sd., color, 16 mm.
*Summary:* Illustrates planning, purchasing, cooking, displaying, and serving techniques used in a school lunch program.
*Borrow from* FWS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

Food handling series
see
Basic principles of kitchen layout
Basic principles of refrigeration
Food preparation
Kitchen habits
An outbreak of Salmonella infection
Refrigerated food storage principles
Structural standards for restaurants

**Food inspection: Oysters** (*Filmstrip*) U. S. Dept. of the Army, 1954.
62 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-[illegible]08.
*Summary:* Describes what happens to an Armed Forces purchase of oysters from the time that the oysters are delivered to an oyster processing plant to their acceptance at a military installation.
*Borrow from* Army. *Buy from* UWF.

**Food marketing education for consumers** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.
21 fr., b&w, 35 mm.
Order no. 695.
With lecture notes.
*Summary:* Shows methods used—publications, press, posters, radio, etc.—by the New England Extension Services in providing food marketing information for consumers.
*Buy from* PhotoLab.

**Food preparation** (*Motion picture*) U. S. Public Health Service, 1954.
13 min., sd., color, 16 mm. (Food handling series)
Order no. M 148–d.
*Summary:* Portrays cooking operations in preparing a typical meal in a medium-sized restaurant and emphasizes the important sanitary precautions taken by the kitchen personnel in the preparation and handling of the food.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Food preparation and service** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Depicto Films.
20 min., sd., b&w, 16 mm.
Order no. MN 9228.
*Summary:* Explains food preparation and service in the U. S. Navy by illustrating such preparation and service in a typical dinner aboard ship. Emphasizes that good practices are reflected in good quality, health, and morale, and lower food costs.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Food preservation series
see Farm work series. Food preservation

**Food sanitation. Part 1: Construction of building** (*Filmstrip*) U. S. Public Health Service, 1954.
34 fr., color, 35 mm.
Order no. F 148–k (1)
Issued also as a set of 2 x 2-inch slides.
*Summary:* Illustrates various degrees of acceptability and nonacceptability of restaurant construction according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
*Borrow from* PHS.

**Food sanitation. Part 2: Utensils and equipment** (*Filmstrip*) U. S. Public Health Service, 1954.
36 fr., color, 35 mm.
Order no. F 148–k (2)
Issued also as a set of 2 x 2-inch slides.
*Summary:* Illustrates various degrees of acceptability and nonacceptability of utensils and equipment for restaurants according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
*Borrow from* PHS.

**Food sanitation. Part 3: Washing and storage** (*Filmstrip*) U. S. Public Health Service, 1954.
65 fr., color, 35 mm.
Order no. F 148–k (3)
Issued also as a set of 2 x 2-inch slides.
*Summary:* Illustrates various degrees of acceptability and nonacceptability of washing and storage procedures for restaurants according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
*Borrow from* PHS.

**Food sanitation. Part 4: Refrigeration and food handling** (*Filmstrip*) U. S. Public Health Service, 1954.
48 fr., color, 35 mm.
Order no. F 148–k (4)
Issued also as a set of 2 x 2-inch slides.
*Summary:* Illustrates various degrees of acceptability and nonacceptability of methods of food refrigeration and food handling according to U. S. Public Health Service sanitation standards for eating and drinking establishments.
*Borrow from* PHS.

**Food storage** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.
12 min., sd., b&w, 16 mm. (The stowaway series, no. 3)
Order no. TF 8–1503.
*Summary:* Depicts the careful inspection of food by the U. S. Army Veterinary Corps, the Bureau of Animal Industry, and the Port Food Service Inspector before procurement and use aboard troop transports; and shows facilities for food storage and preservation of food.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**For a bright home life** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm.
*Summary:* Portrays projects undertaken by two Japanese schoolgirls enrolled in a domestic science class in Japan in order to modernize the kitchens in their rural homes. Prepared for use in occupied areas, particularly in Japan.
*Buy from* UWF.

**For the Nation's health** (*Motion picture*) U. S. Public Health Service, 1957.
16 min., sd., color, 16 mm.
Order no. FG 268.
*Summary:* Describes the functions and services of the U. S. Public Health Service.
*Borrow from* PHS.

For which we stand series
see
The golden moment
To be held in honor

**Forced down at sea** (*Motion picture*) U. S. Navy Dept., 1943. Made by Wilding Picture Productions.
24 min., sd., b&w, 16 mm.
Order no. MN 1329.
*Summary:* Demonstrates types of rubber life rafts and lists the emergency items stowed in them. Explains how to inflate and enter the raft and make use of the articles stored in the pockets.
*Borrow from* Navy.

**Forced landings** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
71 fr., b&w, 35 mm.
Order no. FS 1–11.
*Summary:* Reviews common causes of forced landings, and explains procedures to be followed in making forced landings under various conditions.
*Borrow from* AF.

**Forces in flight** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.
72 fr., b&w, 35 mm.
Order no. SN 807.
*Summary:* Explains the aerodynamic forces acting on the wing in relation to control surfaces and center of gravity.
*Borrow from* Navy.

**Fore poppets and internal shoring construction** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
28 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341-a.
Supplementary filmstrip of same title also available.
*Summary:* Demonstrates the construction of fore poppet and internal shoring, installation of sling plates, crushing blocks and strips, packing timbers, angle brackets, and all sections of internal shoring; and explains the importance of snug fit proper support.
*Borrow from* Navy.

**Fore poppets and internal shoring construction** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
75 fr., b&w, 35 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. SN 2341-m.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Foregut cyst of the esophagus** (*Motion picture*) U. S. Veterans Administration, 1958.
13 min., sd., color, 16 mm.
*Summary:* A case of foregut cyst of the esophagus is filmed and narrated, covering anatomy and embryology of lesion, treatment, pathology, and result.
*Borrow from* VA.

**Foreign bodies in the pericardium and heart** (*Motion picture*) U. S. War Dept., 1946.
50 min., sd., color, 16 mm. (Thoracic surgery, no. 3)
Order no. PMF 5018.
*Summary:* Describes the diagnostic planning, surgical procedures, and postoperative techniques involved in removing foreign bodies from the pericardium and the heart. For medical personnel.
*Borrow from* Army.

**Foreign object ingestion into turbine engines by vortices** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.
7 min., sd., b&w, 16 mm.
*Summary:* A record of the ingestion into turbine engines of foreign objects by vortices formed between engine inlet and ground surface, in an investigation conducted at NACA Lewis Flight Propulsion Laboratory, Cleveland, Ohio, with a 5000-pound-thrust axial-flow jet engine operated at atmospheric temperature and pressure conditions normally existent at the laboratory ground (760 feet above sea level) For technical personnel, to be used with NACA Technical note 3330: Ingestion of foreign objects into turbine engines by vortices.
*Borrow from* NASA.

**Forest blessings** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 1)
*Summary:* An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
*Rent from* DA film libraries. *Cleared for tv.*

**Forest care** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
20 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 3)
*Summary:* An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
*Rent from* DA film libraries. *Cleared for tv.*

**Forest disaster** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 2)
*Summary:* An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Forest fire fighting in the South** (*Motion picture*) U. S. Dept. of Agriculture, 1945.
41 min., sd., color, 16 mm.
*Summary:* Shows types and uses of fire tools, and demonstrates proper tactics for forest fire fighting in the South.
*Rent from* DA film libraries.

**Forest friends** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 2)
*Summary:* An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
*Rent from* DA film libraries. *Cleared for tv.*

**The Forest Service engineer** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
24 min., sd., color, 16 mm.
*Summary:* Describes the work of the Forest Service engineers—men who share with forest rangers the responsibility of managing, protecting, and developing the resources of the national forests.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Forest smokechaser** (*Motion picture*) U. S. Dept. of Agriculture, 1948.
27 min., sd., color, 16 mm.
*Summary:* Shows how a fire lookout or "smokechaser" in the western part of the United States handles a small lightning fire from spotting to final clean-up.
*Rent from* DA film libraries.

**Forestry and human welfare** (*Filmstrip*) U. S. Dept. of Agriculture, 1938.
59 fr., b&w, 35 mm.
Order no. 506.
With lecture notes.
*Summary:* Shows how forests contribute to the grazing of livestock, protection of game, conservation of water supply, and provision of recreational facilities.
*Buy from* PhotoLab.

**Forge welding** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.
12 min., sd., b&w, 16 mm. (Farm work series. Forging, no. 2)
Order no. OE 192.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to maintain a clean, deep, hot fire; heat mild steel for forging; upset and scarf round stock; make a lap weld; and shape and hammer refine the weld.
*Buy for* UWF.

**Forge welding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.
26 fr., b&w, 35 mm. (Farm work series. Forging, no. 2)
Order no. OE 192–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Forging series
see Farm work series. Forging

**Forging with a hand forge** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.
13 min., sd., b&w, 16 mm. (Farm work series. Forging, no. 1)
Order no. OE 191.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to clean the tuyere and build an open fire in a forge; lay out and mark the stock; heat mild steel for forging; and forge an eye.
*Buy from* UWF.

**Forging with a hand forge** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.
48 fr., b&w, 35 mm. (Farm work series. Forging, no. 1)
Order no. OE 191-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Form blocks and forming** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.
67 fr., b&w, 35 mm.
Order no. SN 1067.
*Summary:* Shows how to shape metal with forming blocks and how to use dies for flanging, making hollows, and forming joggles.
*Borrow from* Navy. *Buy from* UWF.

**Forming on a hand operated brake** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 3)
Order no. OE 134.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up the brake for bend angle and bend radius; operate the brake; check test pieces and finished work.
*Buy from* UWF.

**Forming on a hand operated brake** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
51 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 3)
Order no. OE 134-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Forming on rotary machines** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 2)
Order no. OE 290.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to form sheet-metal parts on the slip-roll machine and on the beading-roll machine.
*Buy from* UWF.

**Forming on rotary machines** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
38 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 2)
Order no. OE 290-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Forming on the stretching machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 6)
Order no. OE 251.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to form a skin panel on the stretch press; set up the machine; make necessary adjustments for a production run; and handle the run.
*Buy from* UWF.

**Forming on the stretching machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
36 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 6)
Order no. OE 251-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Forming sheet metal series
see Aircraft work series. Forming sheet metal

**Forming with a drop hammer** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
17 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 5)
Order no. OE 291.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Purpose of drop hammer forming; how to operate the pneumatic hammer; set up the punch and die; handle a production run on a single-hit job; and use draw rings on a deep-draw job.
*Buy from* UWF.

**Forming with a drop hammer** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
41 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 5)
Order no. OE 291-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Forming with rubber on the hydraulic press** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
11 min., sd., b&w, 16 mm. (Aircraft work series. Forming sheet metal, no. 1)
Order no. OE 133.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How sheet metal parts are formed with rubber on a hydraulic press; how to set up the work, and operate the press.
*Buy from* UWF.

**Forming with rubber on the hydraulic press** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.
37 fr., b&w, 35 mm. (Aircraft work series. Forming sheet metal, no. 1)
Order no. OE 133-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Formosa** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
14 min., sd., b&w, 16 mm.
Order no. AFIF 30.
*Summary:* Explains the historical background and the current social, economic, and military status of Formosa, including its significance in world affairs. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Cleared for tv.*

Formulas
see Beginning algebra I, lecture 3: Formulas

**Fort Churchill: Springboard for science** (*Motion picture*) U. S. Dept. of the Army, 1960.
13 min., sd., color, 16 mm.
Order no. MF 45-9506.
*Summary:* Describes the construction of the various rocket launching facilities, range installations, power installations, radar stations, electronic instrumentation, meteorological stations, and the personnel and equipment of the Rocket Firing Base at Fort Churchill, Canada. Explains that the construction of the base in 1956, primarily for the purpose of conducting upper air experiments, was made possible through the cooperation of American and Canadian scientists.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**40th anniversary of the establishment of the Naval Aircraft Factory** (*Motion picture*) U. S. Dept. of the Navy, 1957.
18 min., sd., b&w, 16 mm.
Order no. MN 8737.
*Summary:* History of the Naval Aircraft Factory in Philadelphia between the years 1917 through 1957.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Foundation explorations** (*Motion picture*) U. S. Army Engineers, 1951.
16 min., sd., color, 16 mm.
*Summary:* Shows conventional small-diameter and large-diameter drilling of core holes at a table rock dam site.
*Borrow from* Eng. *Cleared for tv.*

**Foundations and concrete** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Ali Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
26 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719-a.
*Summary:* Presents a brief overview of building foundations, usually made of concrete; and mentions variables which determine type of foundations to be used.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Foundry practice series. Bench molding
see
Making a simple core
Molding part having a vertical core
Molding with a gated pattern
Molding with a loose pattern
Molding with a split pattern

Foundry practice series. Floor molding
see
Molding a horizontal cored part
Molding a valve body
Molding part with deep green sand core
Molding with a loose pattern; floor
Molding with a three part flask

Foundry practice series. Machine molding
see
Molding on a jolt roll-over pattern draw machine
Molding on a jolt squeeze machine

Foundry work series. Melting practice
see
Charging and operating a cupola
Preparing a cupola for charging

**Four experiments in hydraulics** (*Motion picture*) U. S. National Bureau of Standards, 1953.
16 min., sd. [illegible], 16 mm.
*Summary:* Describes and illustrates four experiments in hydraulics, namely: a laboratory study of the causes of wave energy dissipation; a study of the forward motion of a wave caused by the breaking of a dam; an investigation of turbulent diffusion of momentum, heat, and salinity in a submerged liquid jet; and an experiment showing how density currents are reproduced for study in the laboratory. For groups interested in hydraulics research.
*Borrow from* NBS. *Buy from* NBS.

**4-H Club work in the U. S. A.** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
52 fr., b&w, 35 mm.
Order no. 698.
With lecture notes.
*Summary:* Shows examples of 4-H Club activities throughout the United States.
*Buy from* PhotoLab.

**The four steps** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
78 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (On-the-job supervision series, no. 4)
Order no. SFS 80-5.
*Summary:* Presents a four point system for instructing new employees: prepare the worker, present the operation, try out performance, and follow up. Dramatizes each point.
*Borrow from* Army. *Buy from* UWF.

**The four stroke cycle internal combustion engine, part 1** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
39 fr., b&w, 35 mm.
Order no. SCG 154, formerly SG 1764-a.
*Summary:* Shows the basic principles of four-cycle combustion engines with particular reference to cylinder pistons, crankshaft, and flywheel.
*Buy from* UWF.

**The four stroke cycle internal combustion engine, part 2** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
44 fr., b&w, 35 mm.
Order no. SCG 154-a, formerly SG 1764-b.
*Summary:* Shows the basic principles of four-cycle combustion engines with particular reference to valve mechanisms, crankshaft, mechanical timing, and differences in basic cylinder head designs.
*Buy from* UWF.

**Fourteen carrots** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
5 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of carrots. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The fourth man: The civilian behind the soldier** (*Motion picture*) U. S. Dept. of the Army, 1955.
9 min., sd., b&w, 16 mm.
Order no. MF [illegible]1-8414.
*Summary:* Discusses and illustrates the need for and the role played by civilians in the U. S. Army. Prepared for orientation of Army civilian and military personnel.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Fractional equations
see Beginning algebra II, lecture 7 [-8]:
Fractional equations

Fractions, fundamental operations
see Beginning algebra II, lecture 5 [-6]:
Fractions, fundamental operations

**Fractures about the elbow** (*Motion picture*) U. S. Veterans Administration, 1954. Made by Churchill-Wexler Film Productions.
30 min., sd., color, 16 mm.
*Summary:* Discusses the functional anatomy of the elbow joint and illustrates the displacing pulls of the muscle groups as they affect different fractures. Describes the mechanism of typical elbow injuries, such as fractures of the supracondylar, intercondylar, olecranon and head of the radius, and demonstrates various types of management, including manipulation, traction, and open reduction.
*Borrow from* VA. *Buy from* CW.

**Fractures about the knee** (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.
24 min., sd., color, 16 mm.
*Summary:* Explains the anatomy of the knee joint and its surrounding structures as they affect and are affected by fractures in the area. Shows management of fractures of the patella, intercondylar fractures of the femur, and fractures of the tibial plateau.
*Borrow from* VA. *Buy from* CW.

**Fractures about the wrist and hand** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.
[illegible]0 min., sd., color, 16 mm.
*Summary:* Discusses the functional anatomy of the wrist and hand, particularly as it relates to fractures in that area; describes the mechanisms of typical injuries, including fractures of the phalanges, metacarpals, carpal navicular, lunate, and Colles' fracture; and demonstrates treatment by manipulation, traction, and immobilization, with emphasis on the basic principles of fracture reduction. Includes a section on the aftercare of wrist and hand fractures.
*Borrow from* VA. *Buy from* CW.

**Fractures, an introduction** (*Motion picture*) U. S. Dept of the Army, 1949.
27 min., sd., b&w, 16 mm.
Order no. TF 8–1586.
*Summary:* Shows a modern concept of treating a fracture, and the mechanism, pathology, repair, and management of fractures.
*Borrow from* Army.

**Fractures of the femur about the hip joint** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.
21 min., sd., color, 16 mm.
*Summary:* Discusses the anatomy of the region about the hip, with special reference to the displacing pulls of muscles as they affect various fractures, and the blood supply to the head and neck of the femur. Includes fractures of the neck of the femur and intertrochanteric fractures. Shows methods of internal fixation and discusses the problems of maintenance of reduction by internal fixation as opposed to traction, particularly with reference to the elderly patient.
*Borrow from* VA. *Buy from* CW. *Cleared for tv.*

**Fractures of the forearm** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.
29 min., sd., color, 16 mm.
*Summary:* Describes the complex rotational relationship between the radius and ulna; discusses the displacing pulls of the forearm muscles and the effect of various fractures on the blood vessels and nerves in the area; describes typical forearm injuries, including fractures of both bones, fracture of the shaft of the radius, and fracture of the ulna with anterior dislocation of the head of the radius; shows methods of treatment; and discusses the problems of maintenance of reduction by traction and internal fixation.
*Borrow from* VA. *Buy from* CW.

**Fractures of the humerus** (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.
26 min., sd., color, 16 mm.
*Summary:* Demonstrates the anatomy, physiology, and mechanics involved in various fractures of the humerus.
*Borrow from* VA. *Buy from* CW.

**Fractures of the leg and ankle joint** (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.
26 min., sd., color, 16 mm.
*Summary:* Discusses the anatomical structures of the leg and ankle and how they function in relation to fractures in that area; the displacing pulls of the muscles and dangers to the nerve and blood supply; management of fractures of the tibia and the malleoli; and the various methods of reduction, including the use of manipulation, traction, and internal fixation from the viewpoint of the principles underlying that treatment. Emphasizes the importance of aftercare.
*Borrow from* VA. *Buy from* CW.

**Fractures of the shaft of the femur** (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.
21 min., sd., color, 16 mm.
*Summary:* Discusses the various means of overcoming the displacements caused by muscles; demonstrates treatment for fractures of the upper, middle, and lower portions of the shaft; and explains with illustrations the principles of suspension traction and open reduction.
*Borrow from* VA. *Buy from* CW.

**Framing: Floor joists and walls** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
25 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719–b.
*Summary:* Illustrates procedures for constructing walls, floors, doors, and windows of a two-story building.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Framing: Hip and valley rafters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
25 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719–d.
*Summary:* Shows how to cut, measure, and fit hip and valley rafters, and compares them with regular type rafters.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Framing: Rafter principles and common rafters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719–c.
*Summary:* Illustrates laying out and cutting of rafters.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**A free people** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
23 min., sd., b&w, 16 mm.
Order no. AFIF 25.
*Summary:* Reviews the historical development of the United States, the habits and characteristics of its people, and the role of the Armed Forces historically and today. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army.

**Freedom of the press** (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Affiliated Film Producers. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm.
*Summary:* A historical review of freedom of the press in America from Zenger's weekly journal to the publication of today's newspapers. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Freedom to learn** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm. (American scene series, no. 9)
*Summary:* Shows some of the educational activities and opportunities at the State University of Iowa and emphasizes the democratic nature of the services offered by this public university. Prepared for overseas use.
*Buy from* UWF.

**Freezing broccoli and corn-on-the-cob** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.
35 double fr., color, 35 mm.
Order no. C–29.
With lecture notes.
*Summary:* Shows the principal steps to be followed in the home freezing of vegetables, particularly broccoli and corn on the cob.
*Buy from* PhotoLab.

**Freezing strawberries and peaches** (*Filmstrip*) U. S. Dept. of Agricultre, 1953.
35 double fr., color, 35 mm.
Order no. C–30.
With lecture notes.
*Summary:* Shows the principal steps to be followed in the home freezing of fruits, particularly strawberries and peaches.
*Buy from* PhotoLab.

**French bowline** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 308, formerly MG 2323–a.
Supplementary filmstrip of same title also available.
*Summary:* Explains the uses of the French bowline in rescue work and demonstrates how to tie the knot.
*Buy from* UWF.

**French bowline** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
28 fr., b&w, 35 mm.
Order no. SCG 308, formerly SG 2323–b.
Supplements motion picture of same title.
*Summary:* Shows [illegible] to tie and untie the French bowline.
*Buy from* UWF.

**Fresh out of the water** (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by James R. Lee Productions.
14 min., sd., color, 16 mm.
*Summary:* Descibes the catching, processing, retailing, cooking, and serving of fish; and the steps taken by industry to preserve the nutritional value of fishery products.
*Borrow from* FWS. *Cleared for tv. Prior authorization required.*

**Friendly waters** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
7 min., sd., color, 16 mm.
*Summary:* Shows scenes of the 1957 floods in Texas and Oklahoma, and explains how land treatment and floodwater retarding dams operate to prevent flood damages within a watershed.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**From flight to facts** (*Motion picture*) U. S. Dept. of the Army, 1960.
14 min., sd., color, 16 mm.
Order no. MF 45–9505.
*Summary:* Shows how an integrated range mission works to record and analyze missile flight data. Explains how a flight is recorded by means of highly developed electronic equipment and the flight data reduced to facts, computed, and correlated. Shows the use of scientific measuring systems and electronic computers to determine the height, distance, speed, and accuracy of the missile test flight.
*Borrow from* Army. *Cleared for tv.*

**From ships of the sky** (*Motion picture*) U. S. Dept. of the Navy, 1955.
14 min., sd., b&w, 16 mm.
Order no. MH 8097.
*Summary:* Describes the development by the Marines of vertical assault through the use of the helicopter in the dispersion of ships in a landing force.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**From small beginnings** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
*Summary:* Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.
*Buy from* UWF. *Cleared for tv.*

From small beginnings
see also
Ferramentas e máquinas
Mejores herramientas

**From the ground up** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Plant Food Institute, 1955.
13 min., sd., color, 16 mm.
*Summary:* Describes the work of the soil surveyor in studying and mapping farm soils. Explains the importance of productive soil to the populations of the world, and shows how the soil conservationist uses the information gained on a soil survey to help a farmer develop his conservation farm plan.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**From the mountains to the sea** (*Motion picture*) U. S. Army Engineers, 1958.
18 min., sd., color, 16 mm.
Revision of the 1955 motion picture of the same title.
*Summary:* Recounts the flood damage which occurred in the 1938 flood in southern California and explains the comprehensive flood-control plan for the Los Angeles County drainage area. Explains problems encountered in providing the necessary flood-control protection in this rapidly expanding metropolitan area.
*Borrow from* Eng. *Cleared for tv.*

**From the ridge to the river** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
26 min., sd., color, 16 mm.
*Summary:* Explains the land treatment and work on water courses, and shows how they are integrated to provide a watershed protection program as security against floods.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Front end alignment** (*Motion picture*) U. S. War Dept., 1943.
18 min., sd., b&w, 16 mm. (Automotive trouble shooting series, no. 14)
Order no. TF 10–638.
*Summary:* Explains the causes of improper wheel alignment, and demonstrates necessary checks of the caster, camber, toe-in, and turning radius.
*Borrow from* Army. *Cleared for tv.*

**Front line Air Force chaplains** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Warner News.
14 min., sd., b&w, 16 mm.
Order no. SFP 261.
*Summary:* Shows activities of Air Force chaplains in Air Force bases throughout the world, including services performed by chaplains in Korean battle areas.
*Borrow from* AF. *Cleared for tv.*

**Frontier beyond the sky** (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., color, 16 mm.
Order no. MF 45–9502.
*Summary:* Describes the IGY (International Geophysical Year) rocket program for upper atmosphere research carried out by the United States in 1957 and discusses the rocket instruments used and experiments connected with the study of the structure and dynamics of the upper air. Explains how research teams at Fort Churchill, Canada, used the Aerobee, Nike-Cajun, and Rockoon rockets to conduct tests aimed at gaining knowledge related to solar ray radiation, aurora borealis phenomenon, properties of the ionosphere, intensity of primary cosmic rays at different latitudes, and structure and temperature of the upper atmosphere.
*Borrow from* Army. *Cleared for tv.*

**Frontier days** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFSR 117.
*Summary:* Portrayal of the "Frontier days" celebration in Cheyenne, Wyoming.
*Borrow from* Army. *Cleared for tv.*

**Frontiers of grass: A story of the western range** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
64 fr., b&w, 35 mm.
Order no. 585.
With lecture notes.
*Summary:* Traces the development and decline of the western range, showing the effects of railroads, market routes, and the growth of the livestock industry. Recommends conservation methods.
*Buy from* PhotoLab.

**Frozen-food lockers and your food supply** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
63 fr., b&w, 35 mm.
Order no. 586.
With lecture notes.
*Summary:* Shows a floor plan for a locker plant, types of lockers, a home-made freezer chest, and how to grow and prepare plant and animal foods for freezing.
*Buy from* PhotoLab.

**Fruits, vegetables, and cooperation** (*Motion picture*) U. S. Dept. of Agriculture, 1941.
28 min., sd., b&w, 16 mm.
*Summary:* Shows how cooperative associations receive, process, pack, and market fruits and vegetables; and points out the jobs that a small group of farmers just starting a cooperative should tackle first.
*Rent from* DA film libraries. *Buy from* UWF.

**The frying pan and the fire** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

18 min., sd., color, 16 mm.

*Summary:* Dramatized story of two girls on a camping trip, one of whom neglects to put out a camp fire, and the near-tragic consequences of the resultant fire.

*Rent from* DA film libraries. *Buy from* UWF.

**Fuel and feed** (*Filmstrip*) U. S. Navy Dept., 1942. Re-Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

80 fr., b&w, 35 mm.

Order no. SN 801.

*Summary:* Explains the operation of both gravity and pressure fuel feed systems; emphasizes the nature and importance of various parts of those systems; discusses the dangers and causes of vapor lock.

*Borrow from* Navy.

**Fuel feed systems** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

27 fr., b&w, 35 mm.

Order no. SCG 154–f, formerly SG 1765.

*Summary:* Explains the gravity feed and pressure feed systems, and the operation of plunger-type and diaphragm pumps.

*Buy from* UWF.

**Fuel level gages** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

41 fr., b&w, 35 mm.

Order no. FS 1–58.

*Summary:* Explains the operating principles, maintenance, and inspection procedures for mechanical and electrical gages used on aircraft.

*Borrow from* AF. *Buy from* UWF.

**Fuel pump disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 4)

Order no. MN 2364–p.

*Summary:* How to disconnect linkage, remove cover plate, disconnect all lines, remove fuel pump and disassemble at work bench, and remove all parts from pump housing.

*Borrow from* Navy. *Buy from* UWF.

**Fuel pump reconditioning and reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

23 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 5)

Order no. MN 2364–q.

*Summary:* How to recondition and reassemble parts of a fuel pump system.

*Borrow from* Navy. *Buy from* UWF.

Fuel system series
see Cooper Bessemer diesel engine maintenance series. Fuel system

**Fueling seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

67 fr., b&w, 35 mm.

Order no. SN 285.

*Summary:* Explains two methods of refueling afloat—by a small boat and by coming alongside a seaplane tender. Demonstrates the refueling of a plane by a small boat from the stern quarter and the bow.

*Borrow from* Navy. *Buy from* UWF

**The Fulton Sylphon Diesel engine temperature control valve: Operation and adjustment** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

90 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. SN 3375.

*Summary:* Describes the function, operation, and adjustment of the Fulton Sylphon valve for Diesel engines.

*Borrow from* Navy. *Buy from* UWF.

**Function of air traffic control** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

25 min., sd., b&w, 16 mm.

Order no. TF 1–4966.

*Summary:* Shows scenes of air traffic control on simultaneous flights from Keesler Air Force Base to Maxwell Air Force Base and to Andrews Air Force Base. Points out differences between a jet flight and a conventional flight, and emphasizes the coordination required in the functions of the tower, operations, flight service centers, and CAA radio stations.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Functional syndromes with pronounced physical symptoms** (*Motion picture*) U. S. Public Health Service, 1938.

17 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 4)

*Summary:* Presents functional cases in which physical symptoms not caused by neurological impairment play a major part—hysterical epilepti-form seizures, hysterical pseudohemiplegia, functional tremors, and tics. Stresses the contrast between functional and organic paralysis cases in carrying out purposeful acts with partially paralyzed members.

*Borrow from* PHS *or* VA. *Buy from* PCR.

**Functional teaching in electricity and electronics** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Dynamic Films. Released for public educational use through U. S. Office of Education.

16 min., sd., b&w, 16 mm.

Order no. MN 8050.

*Summary:* Shows Navy instructors how to use such teaching procedures as trainee preparation, lecture, discussion, demonstration, experimentation, and review. Illustrates the use of training aids.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Functioning of gas feed chlorinators. Part 1: Visible vacuum chlorinator** (*Filmstrip*) U. S. Public Health Service, 1954.

57 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. F 146–a.

*Summary:* Illustrates the piping system and parts of a visible vacuum chlorinator, function of the parts, and points to be checked in the inspection of the machine.

*Borrow from* PHS. *Buy from* UWF.

**Functioning of gas feed chlorinators. Part 2: Volume metering chlorinator** (*Filmstrip*) U. S. Public Health Service, 1954.

42 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. F 146–b.

*Summary:* Illustrates the primary parts of a volume metering chlorinator, functions of the different parts, and points to be checked in the inspection of the machine.

*Borrow from* PHS. *Buy from* UWF.

**Fundamental lines and sections** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Nomenclature of ships)

Order no. MN 2334–a.

Supplementary filmstrip of same title also available.

*Summary:* Explains the meaning and purpose of various lines, the division of a ship's structure, and the names and symbols for different parts.

*Borrow from* Navy. *Buy from* UWF.

**Fundamental lines and sections** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, **1948.**

98 fr., b&w, 35 mm. (Shipbuilding skills series. Nomenclature of ships)

Order no. SN 2334–m.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**The fundamental nature of air flows and air-flow separation** (*Motion picture*) U. S. National Advisory Committee for **Aeronautics, 1935.**

15 min., si., b&w, 16 mm.

Order no. TF 2.

With lecture notes.

*Summary:* Shows air flow, made visible by titanium tetrachloride smoke in the NACA smoke-flow equipment, around a circular cylinder, and streamlined symmetrical and lifting airfoils, in order to discover air-flow separation, dead air space, turbulence, and the effect of changes in angle of attack and Reynolds number on flow patterns. For use by technical personnel, including students of the aeronautical sciences.

*Borrow from* NASA.

Fundamental operations
see Beginning algebra I, lecture 9 [-10]:
Fundamental operations

**Fundamentals of artillery weapons. Part 1: Types and components of cannon** (*Motion picture*) U. S. War Dept., 1944.

28 min., sd., b&w, 16 mm.

Order no. TF 9–2058.

*Summary:* Defines and classifies briefly artillery weapons, and explains the three main types of cannon—guns, howitzers, and mortars.

*Borrow from* Army.

**Fundamentals of artillery weapons. Part 2: Types and components of carriage** (*Motion picture*) U. S. War Dept., 1944.

22 min., sd., b&w, 16 mm.

Order no. TF 9–2059.

*Summary:* Explains the two main types of artillery carriage, fixed and mobile, and the three types of mobile carriages—railway, self-propelled, and towed.

*Borrow from* Army.

**Fundamentals of ballistics** (*Motion picture*) U. S. Dept. of **the Army, 1949. Released for public educational use** through U. S. Office of Education, 1951.

19 min., sd., b&w, 16 mm.

Order no. TF 9–1512.

*Summary:* Explains interior, exterior, and terminal ballistics; types of fuzes, explosives, and projectiles; effects of air resistance and gravity; and discusses some methods of overcoming the problems involved.

*Borrow from* Army. *Buy from* UWF.

Fundamentals of blueprint reading series
see Machine shop work series. Fundamentals
of blueprint reading

**Fundamentals of carrier telephony. Part 1: Operation of a carrier system** (*Motion picture*) U. S. Dept. of the Army, 1959.

12 min., sd., b&w, 16 mm.

Order no. TF 11–2805.

*Summary:* Describes the features, operation, and advantages of the telephone carrier system used in today's modern Army; shows, by animation and drawings, how the telephone carrier system provides for simultaneous operation of several telephone or teletype channels over a single spiral four cable. Using the AN/TCC 24 carrier terminal for demonstration, explains how different frequency bands are used in transmitting more than one voice over the transmission line at the same time, and describes in detail the transmission of messages from A to B terminals and B to A terminals. Emphasizes the advantages of the carrier system in terms of maximum operating efficiency and minimum expense.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fundamentals of carrier telephony. Part 2: Terminals and repeaters** (*Motion picture*) U. S. Dept. of the Army, 1959.

19 min., sd., b&w, 16 mm.

Order no. TF 11–2806.

*Summary:* Describes the features and function of carrier terminals and repeaters. Discusses carrier terminals, using the AN/TCC 24 for demonstration; explains the fundamental electronic circuits employed by carrier terminal equipment; and shows how voice frequencies converted to electrical frequencies travel along the line of transmission. Also using the AN/TCC 5 repeater for demonstration, shows how the repeater boosts signal strength and prevents frequency distortion along the line of transmission.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fundamentals of detergents** (*Filmstrip*) U. S. Public Health Service, 1949.

72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.

Order no. 5–079.

*Summary:* Explains the fundamental principles of detergents and their use in cleaning, and points out that detergents may be used for many specific purposes, including softening water, dispensing mineral formations, emulsifying grease, deflocculating soil particles, and decreasing surface tension.

*Borrow from* PHS. *Buy from* UWF.

**Fundamentals of end cutting tools** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

12 min., sd., b&w, 16 mm. (Machine shop work series. Single point cutting tools, no. 2)

Order no. OE 43.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Radius, threading, sheer-cut finishing, round-nosed finishing, side-facing tools; correct setting of the tools; and the type of cut each one makes.

*Buy from* UWF.

**Fundamentals of end cutting tools** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

30 fr., b&w, 35 mm. (Machine shop work series. Single point cutting tools, no. 2)

Order no. OE 43-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Fundamentals of filing** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

12 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 8)

Order no. OE 41.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to care for, handle, and clean files; and select different files for different metals.

*Buy from* UWF.

**Fundamentals of filing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

52 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 8)

Order no. OE 41-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Fundamentals of massage** (*Motion picture*) U. S. Office of **Education with the cooperation of U. S. Public Health** Service, 1945. Made by Ted Nemeth Studios.

12 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 414.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Techniques of fundamental massage movements—deep stroking, kneading, and friction; principal physiological effects of these massage movements upon the human organism.

*Buy from* UWF.

**Fundamentals of massage** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
47 fr., b&w, 35 mm. (Nursing series)
Order no. OE 414–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Fundamentals of mechanics series
see Engineering series. Fundamentals of mechanics

Fundamentals of patrol plane handling series
see
Beach approaches
Launching
Preparing the plane for flight
Security and refueling with safety

Fundamentals of patternmaking series
see Precision wood machining series. Fundamentals of patternmaking

Fundamentals of photography series
see
The basic camera
Developing the negative
Elementary optics in photography
Light-sensitive materials
Printing the positive

**Fundamentals of radiac instruments** (*Motion picture*) U. S. Dept. of the Army, 1955.
25 min., sd., b&w, 16 mm.
Order no. TF 11–2234.
*Summary:* Reviews basic atomic theory, including composition of the atom, how radiation is caused, types of radiation, and how radiation causes ionization. Explains specific radiac instruments, including such accumulation devices as film badge, film ring, pocket dosimeter, and pocket chamber; and intensity devices such as scintillation detector, ionization chamber, proportional counter, and Geiger-Mueller counter.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fundamentals of radioactivity** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
59 min., sd., b&w, 16 mm. (The radioisotope series, no. 1)
Order no. PMF 5145–a.
*Summary:* A survey film, first of a series, explaining the basic concepts in the field of nuclear physics necessary to an understanding of radioisotopes. Describes in detail the origins of nuclear radiation and the chain reaction of uranium as a means of producing radioisotopes. Primarily for technical use.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Fundamentals of side cutting tools** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.
11 min., sd., b&w, 16 mm. (Machine shop work series. Single point cutting tools, no. 1)
Order no. OE 42.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How side cutting tools are shaped and how they cut; and how generated heat is dissipated.
*Buy from* UWF.

**Fundamentals of side cutting tools** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
27 fr., b&w, 35 mm. (Machine shop work series. Single point cutting tools, no. 1)
Order no. OE 42–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Fundamentals of small arms weapons. Part 1: The cycle of operation** (*Motion picture*) U. S. Dept. of the Army, 1945.
20 min., sd., b&w, 16 mm.
Order no. TF 9–1448.
*Summary:* Shows the components of small arms ammunition and explains that shoulder weapons, hand weapons, and machine guns use the same type of ammunition and function in the same manner. Demonstrates, by use of models and cross-section views, the eight steps of the cycle operations—chambering, locking, firing, unlocking, extracting, ejecting, cocking, and feeding.
*Borrow from* Army.

**Fundamentals of small arms weapons. Part 2: Types of operation** (*Motion picture*) U. S. Dept. of the Army, 1946.
13 min., sd., b&w, 16 mm.
Order no. TF 9–1449.
*Summary:* Defines the three types of operation of small arms weapons, in addition to manual operation: (1) gas, used on BAR and M–1 rifles; (2) blowback used with low pressure cartridges in M–3 sub-machine guns with no positive lock; and (3) recoil used on pistols and machine guns. Demonstrates, by use of animation and cross-section views, the basic principles of these operations, and shows how they are used to give plenty of fire power to small arms.
*Borrow from* Army.

**Fundamentals of small arms weapons. Part 3: Semiautomatic and automatic fire** (*Motion picture*) U. S. Dept. of the Army, 1945.
10 min., sd., b&w, 16 mm.
Order no. TF 9–1450.
*Summary:* Explains the basic principles of automatic and semiautomatic firing methods and shows how the automatic mechanism enables the weapon to fire continuously or until the ammunition is exhaused while the semi-automatic mechanism fires only once each time the trigger is squeezed.
*Borrow from* Army.

**Fundamentals of stair layout** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719–f.
*Summary:* Covers the measuring, fitting, and installing of stairways.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Fundamentals of the human blood groups** (*Filmstrip*) U. S. Public Health Service, 1954.
70 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. F 22.
*Summary:* Explains through symbols and stylized drawings the fundamentals of blood typing, including genetics of blood groups, incompatibility of various groups, sensitization, and precautions in giving transfusions.
*Borrow from* PHS. *Buy from* UWF.

**Fundo in Chile** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.
21 min., sd., b&w, 16 mm.
*Summary:* Contrasts new and old farming methods on the large fundos (ranches) of Chile; emphasizes trends toward modernization. Shows daily lives of fundo workers and their families.
*Buy from* UWF.

**Fungi snare and destroy nematodes** (*Motion picture*) U. S. Dept. of Agriculture, 1940.
4 min., sd., b&w, 16 mm.
Revision of the 1933 film of the same title.
*Summary:* Demonstrates under the microscope how certain fungi catch and devour nematodes; and explains the process by which organic matter is broken down to enrich soil.
*Rent from* DA film libraries. *Buy from* UWF.

**The Furies** (*Motion picture*) U. S. Marine Corps, 1957. Made by U. S. Dept. of the Navy.

13 min., sd., color, 16 mm.

Order no. MH 8262.

*Summary:* Story of Marine Fighter Squadron 122—its training, mission, and plane, the FJ3 Fury Jet. Emphasizes the importance of the fighter-interceptor element in the Marine air ground team.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Fury in the Pacific** (*Motion picture*) U. S. Dept. of the Navy and U. S. Marine Corps, 1945.

20 min., sd., b&w, 16 mm.

Order no. MN 9045.

*Summary:* A photographic record of the invasion of the Palau Islands in 1944.

*Borrow from* Navy. *Buy from* UWF.

Fusion des métaux
see Technique de fonderie. Fusion des métaux

## G

**"G" and you** (*Motion picture*) U. S. Navy Dept., 1943. Made by Associated Screen News.

41 min., sd., color, 16 mm.

Order no. MN 2361.

*Summary:* Demonstrates the effect of gravity upon a pilot; explains the pooling of blood and the causes of restricted vision, gray-out, and black-out; and describes the basic principles of the anti-G suit.

*Borrow from* Navy.

**"G" facts** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

23 min., sd., color, 16 mm.

Order no. TF 1–4964.

*Summary:* Explains the basic principles of gravitational pull; describes positive "G," negative "G," and transverse "G"; and discusses the purposes and uses of different types of anti-G suits.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**GS–1 meets the laboratory** (*Filmstrip*) U. S. Public Health Service, 1952.

91 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min. (Basic laboratory training for nonprofessional workers, no. 1)

Order no. F 106–a.

*Summary:* Tells in story form how a beginning laboratory worker can avoid mistakes which might endanger himself, the equipment, and impending research results. Covers such points as washing dirty glassware, cleaning cages of infected laboratory animals, handling carboys and corrosives, and avoiding contamination of lunch.

*Borrow from* PHS. *Buy from* UWF.

**Gage blocks and accessories** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

23 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 8)

Order no. OE 246.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Why accessories are used with gage block; how to inspect a plug gage, an adjustable snap gage, a profile gage, a ring gage, and a screw-thread pitch; and how to built a height gage and scriber.

*Buy from* UWF.

**Gage blocks and accessories** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

33 fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 8)

Order no. OE 246–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Galley sanitation** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

24 min., sd., b&w, 16 mm. (The stowaway series, no. 2)

Order no. TF 8–1502.

*Summary:* Illustrates precautions and sanitary measures which should be observed by all food service organizations in order to prevent the spread of disease.

*Borrow from* Army. *Buy from* UWF.

Ganglionectomy
see Lumbar sympathectomy (Ganglionectomy)

**Gardening cartoons: A dozen "don'ts" for gardeners** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

16 double fr., b&w, 35 mm.

Order no. 633.

Reproduction of cartoons in Consumer's guide, March 1, 1942.

*Buy from* PhotoLab.

**Garrison Dam and reservoir project** (*Motion picture*) U. S. Army Engineers, 1949.

25 min., sd., color, 16 mm.

*Summary:* Photographic record of construction work on Garrison Dam in North Dakota from October 1946 to May 1948.

*Borrow from* Eng.

**Garrison on the Missouri** (*Motion picture*) U. S. Army Engineers, 1949.

23 min., sd., color, 16 mm.

*Summary:* Shows garrison Dam under construction in North Dakota, and explains its relationship to the overall plan for the development of the Missouri River Basin.

*Borrow from* Eng. *Cleared for tv.*

**Garrison safe-guards** (*Motion picture*) U. S. Army Engineers, 1952.

21 min., sd., color, 16 mm.

*Summary:* Illustrates the safety program of the Corps of Engineers during the construction of Garrison Dam on the Missouri River.

*Borrow from* Eng. *Cleared for tv.*

**Garrison takes shape** (*Motion picture*) U. S. Army Engineers, 1951.

23 min., sd., color, 16 mm.

*Summary:* Portrays progress (1950) on the construction of Garrison Dam in North Dakota, including scenes of mining operations for the power and flood control tunnels and an explanation of how the land is being acquired for the reservoir.

*Borrow from* Eng. *Cleared for tv.*

**Gaseous diffusion** (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by U. S. Dept. of the Air Force.

3 min., sd., b&w, 16 mm.

*Summary:* Illustrates the gaseous diffusion method for separating uranium–235 from uranium–238.

*Borrow from* AEC. *Cleared for tv.*

**Gastrointestinal cancer: The problem of early diagnosis** (*Motion picture*) U. S. National Cancer Institute and American Cancer Society, 1950. Made by Audio Productions.

33 min., sd., color, 16 mm.

With folder and booklet.

*Summary:* A survey of cancer of the esophagus, stomach, small and large intestines, and rectum, reviewing salient points in diagnosis and stressing early discovery and treatment in lowering mortality figures. For general practitioners, residents, particularly of internal medicine, interns, medical students in their clinical years.

*Borrow from* ACS *or* NCI. *Buy from* ACS.

**The genera of North American ticks** (*Filmstrip*) U. S. Public Health Service, 1953.

37 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 4 min.

Order no. F 139.

*Summary:* Shows representative species of the genera of ticks found in North America and their morphological characters.

*Borrow from* PHS. *Buy from* UWF.

**General adaptation syndrome** (*Motion picture*) U. S. Dept. of the Army, 1951.
84 min., sd., color, 16 mm.
Order no. PMF 5151.
*Summary:* Demonstrates the reactions and adaptations of animal body systems to such stresses as heat, cold, fatigue, and intoxicants. For professional personnel.
*Borrow from* Army.

**The general court-martial** (*Motion picture*) U. S. Dept. of the Army, 1954.
73 min., sd., b&w, 16 mm.
Order no. TF 15–1950.
*Summary:* Portrays the general court-martial of a U. S. Army private charged with the crime of larceny, including pre-trial investigation, convening of the court, presentation of charges, testimony and cross-examination of witnesses and the accused, summation by counsels, evaluation of evidence by the court, decision of the court, and sentencing.
*Borrow from* Army.

**General effects of heat on man** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm.
Order no. TF 8–1691.
*Summary:* Describes various hot-room tests conducted at the Medical Department Field Research Laboratory, Fort Knox, Ky., and demonstrates the effects of heat on the human body during military operations.
*Borrow from* Army. *Buy from* UWF.

**General hospital** (*Motion picture*) U. S. War Dept., 1945.
12 min., sd., b&w, 16 mm.
Order no. FB 8–203.
*Summary:* Shows the organization and function of a typical general hospital in an overseas theater of operations.
*Borrow from* Army.

**General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm.
Order no. MN 2769–b.
*Summary:* Shows how to disassemble and reassemble General Motors Diesel engine unit injector model 278.
*Borrow from* Navy. *Buy from* UWF.

**General Motors diesel engine unit injectors: Maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm.
Order no. MN 2769–a.
*Summary:* How to disassemble, handle, clean, and inspect the diesel engine unit injector.
*Borrow from* Navy. *Buy from* UWF.

General Motors 16-278A diesel engine series
see
Bearings
Benchwork, part [-4]
Disassembly
Reassembly, part 1
Reassembly. Part 2: Head

**General neurological examination and clinical signs of disorders of the pyramidal system** (*Motion picture*) U. S. Public Health Service, 1938.
19 min., si., b&w, 16 mm. (Introduction to clinical neurology, no. 1)
*Summary:* Reviews gross anatomy of the brain; demonstrates minimal neurological examination of cranial nerves, motor coordination, reflexes, and sensation; presents clinical signs of disorders of the pyramidal system; shows two cases of hemiplegia with internal hydrocephalus, presenting x-rays to show the seat of impairment. For medical personnel.
*Borrow from* PHS *or* VA. *Buy from* PCR.

**General Pershing** (*Motion picture*) U. S. Dept. of Defense, 1948.
11 min., sd., b&w, 16 mm.
On reel with ROTC at work.
Order no. AFSR 98.
*Summary:* Highlights in the life of General John J. Pershing, and his funeral in 1948.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**General principles of the propeller** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
51 fr., b&w, 35 mm.
Order no. FS 1–104.
*Summary:* Explains the principles of the airplane propeller, types of construction, causes of failure, and factors determining shape of blade. Defines thrust, pitch, angle of attack, slip, feathering, and windmilling.
*Borrow from* AF. *Buy from* UWF.

**Generator and regulator systems, principles** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
65 fr., b&w, 35 mm.
Order no. FS 1–53.
*Summary:* Explains the principles, operation, and construction of the generator; and the various inspections required on generator and regulator systems in an airplane.
*Borrow from* AF.

**George Kennan discusses communism on the Armed Forces Forum** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
43 min., sd., b&w, 16 mm.
Order no. AFIF 50.
*Summary:* George F. Kennan answers questions concerning international communism asked by Army, Navy, and Air Force enlisted men and women, and discusses the effect of Stalin's death and Beria's purge, the influence of Moscow upon developments in Asia, the nature of Communists and communism, facts about the Russian people, the possibilities of war with Russia, etc. The forum was filmed on August 6, 1953.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**George Washington, the farmer** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission, 1932.
74 fr., b&w, 35 mm.
Order no. 277.
With lecture notes.
*Summary:* Depicts phases of Washington's early life and his home surroundings as a country gentleman.
*Buy from* PhotoLab.

**George Washington's river** (*Motion picture*) U. S. Public Health Service, 1959.
28 min., sd., color, 16 mm.
Order no. MIS 525.
*Summary:* Shows scenes of pollution occurring at Washington, D. C., and from industries and smaller communities upstream on the Potomac River. Methods are shown by which cities and industries can clean up their waste and restore the streams for fishing, boating, swimming, and domestic and industrial uses.
*Borrow from* PHS. *Buy from* DA–MPS.

**Germany** (*Motion picture*) U. S. Dept. of Defense, 1950.
9 min., sd., b&w, 16 mm.
On reel with Recreation and athletics in the Navy.
Order no. AFSR 124.
*Summary:* A general portrayal and explanation of Western Germany under allied occupation.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Getting help for the veterans with emotional problems
see The difficult ones. Part 3: Getting help for the veterans with emotional problems

**Gingivectomy** (*Motion picture*) U. S. Dept. of the Army, 1960.
16 min., sd., color, 16 mm.
Order no. PMF 5328.
*Summary:* Describes the clinical aspects of a gingival condition of the gums and demonstrates the surgical technique used in performing a gingivectomy. Salient teaching points cover technique of making the gingival incision; removal of incised tissue and debris; planing the root surfaces of the teeth; application of protective packs to the gums; and postoperative care of teeth by patient.
*Borrow from* Army.

**Give me a second station** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
30 min., sd., color, 16 mm.
Order no. SFP 411.
*Summary:* Explains briefly the development of the B–47 stratojet bomber and its capabilities, and shows the training given to B–47 combat crews at McConnell Air Force Base.
*Borrow from* AF. *Cleared for tv.*

**Giving a shop demonstration** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
18 min., sd., b&w, 16 mm.
Order no. MN 188.
*Summary:* Shows a shop teacher preparing and conducting a detailed demonstration on forming a flanged tray with a shrinking mallet and bending blocks.
*Borrow from* Navy. *Buy from* UWF.

Glamour Gal
see 155 mm. howitzer: Glamour Gal

**Glass fractures** (*Filmstrip*) U. S. Dept. of the Army, 1955.
55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 19–11.
*Summary:* Explains procedures for examining glass fractures found at the scene of a crime, including examining, photographing, and marking fragments, determing direction of force; study of fracture patterns; 3–R rule; methods used with safety glass; examining bullet holes; collecting all fragments; and packing fragments for shipment to criminal investigation laboratory.
*Borrow from* Army.

**The golden moment** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
24 min., sd., b&w, 16 mm. (For which we stand series)
Order no. MN 5321–g.
*Summary:* Deals with the U. S. Navy's character guidance program aboard ship and in recruit and service schools. Depicts classroom discussions on such themes as moral issues, tensions, and citizenship; and explains roles of chaplains, line officers, and CPO instructors in this Navy-wide program.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Golden rule** (*Motion picture*) U. S. Dept. of the Army, 1960.
7 min., sd., b&w, 16 mm.
Order no. TF 16–2886.
*Summary:* Dramatized story illustrating the concept of the Golden rule. Made for use by Army chaplains.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The golden secret** (*Motion picture*) U. S. Dept. of Agriculture, 1946.
7 min., sd., color, 16 mm.
*Summary:* A cartoon movie on conservation telling a fairy story about the son of the king's chief huntsman who stopped the golden soil from washing away and was rewarded with the best farm in the kingdom.
*Rent from* DA film libraries. *Buy from* UWF.

**The good egg** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1955.
7 min., sd., b&w, 16 mm.
*Summary:* Presents a "magic" show, with the magician as narrator, showing the nutritive value of eggs, basic egg dishes, and ways in which eggs are combined with other foods. Animation and live-action photography.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Good neighbor family** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
*Summary:* Shows the life of various groups and classes in Latin America, social and religious customs, and differences between North and South American cultures.
*Buy from* UWF.

**Good things come in pears** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of pears. Prepared especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Grader, motorized, caterpillar no. 12: Adjustment of the bevel gear and pinion** (*Motion picture*) U. S. Dept. of the Army, 1957.
7 min., sd., b&w, 16 mm.
Order no. TF 5–2352.
*Summary:* Explains the purpose of the bevel gear and pinion, and demonstrates the procedure for adjustment when replacing a bevel gear, pinion, or bearings.
*Borrow from* Army.

**Grader, motorized, caterpillar no. 12: Adjustment of the main flywheel clutch** (*Motion picture*) U. S. Dept. of the Army, 1957.
4 min., sd., b&w, 16 mm.
Order no. TF 5–2353.
*Summary:* Demonstrates the procedure for adjusting the main flywheel clutch, including removal of inspection plate, initial check of clearance between yoke arms and release bearing housing, adjustment of linkage to obtain proper clearance, and final check and adjustment to insure proper clearance between release levers and release bearing.
*Borrow from* Army.

**Grader, motorized, caterpillar no. 12: Before operation services** (*Motion picture*) U. S. Dept. of the Army, 1957.
6 min., sd., b&w, 16 mm.
Order no. TF 5–2354.
*Summary:* Explains the services necessary to determine whether the caterpillar no. 12 motorized grader is in good working condition, including fuel supply, oil level, coolant, tires, gauges, lines and connections, loose or worn parts, brakes, and power controls.
*Borrow from* Army.

**Grader, motorized, caterpillar no. 12: Starting and stopping procedures** (*Motion picture*) U. S. Dept. of the Army, 1957.
4 min., sd., b&w, 16 mm.
Order no. TF 5–2355.
*Summary:* Describes the procedures for starting the starting engine, starting the diesel engine, stopping the diesel engine, and stopping the starting engine.
*Borrow from* Army.

**Grain sanitation (Filmstrip)** U. S. Dept. of Agriculture, 1954.
54 double fr., b&w, 35 mm.
Order no. 708.
With lecture notes.
*Summary:* Shows various insects that attack grain, the damage caused by insects and rodents, and methods of preventing insect infestation and rodent contamination of grain in storage.
*Buy from* PhotoLab.

**The grain that built a hemisphere** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.
11 min., sd., color, 16 mm.
*Summary:* Traces the history of corn and its importance in the development of civilization; and describes its uses today.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

The grain that built a hemisphere
see also
Milho, o grão que foi o alicerce de um hemisfério
La semilla de oro

**Grass** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

7 min., sd., b&w, 16 mm.

*Summary:* Shows the importance of grassland farming and the technique used for getting a grass stand started. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Grass and brush fire fighting** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

22 min., sd., color, 16 mm.

*Summary:* Demonstrates the techniques of fighting small grass and brush fires in the western United States.

*Rent from* DA film libraries.

**Grass and cattle** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

16 min., sd., color, 16 mm.

*Summary:* Shows how the U. S. Forest Service is developing the range resources of the national forests for maximum use in the grazing of cattle, with full protection of the watershed.

*Rent from* DA film libraries. *Buy from* UWF.

**Grass: The big story** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

30 min., sd., color, 16 mm.

*Summary:* Explains the characteristics and values of grassland farming and how worn-out land can be rebuilt through scientific methods of grassland farming.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Grasshoppers can be controlled** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

22 min., sd., color, 16 mm.

Revision of the 1951 film issued under the title Your enemy: Grasshopper.

*Summary:* Demonstrates how to control grasshoppers through individual and community action in spraying infested areas. Describes conditions that are good and bad for egg laying and multiplying, and explains how serious outbreaks may develop.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Gratitude: Thanks to whom?** (*Motion picture*) U. S. Dept. of the Army, 1958.

5 min., sd., b&w, 16 mm.

Order no. TF 16-2515.

*Summary:* Dramatized story illustrating the concept of gratitude. Made for use by Army chaplains.

*Borrow from* Army. *Buy from* UWF.

**Gravel and rock surfaces** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

8 min., sd., b&w, 16 mm. (Military roads series, no. 6)

Order no. TF 5-1198.

*Summary:* Demonstrates the principles of gradation, including the selection of materials and methods of placing selected material on a road base.

*Borrow from* Army. *Buy from* UWF.

**The great flood** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

39 fr., b&w, 35 mm.

Order no. 609.

*Summary:* Shows the results of the July 1951 Kansas flood, and emphasizes the importance of conservation methods on farms and watersheds, including contour planting, stubble mulching, check dams, sodding, etc.

*Buy from* PhotoLab.

**The great gun** (*Motion picture*) U. S. Dept. of the Army, 1952.

12 min., sd., b&w, 16 mm.

Order no. MF 9-7940 and/or TV 209.

*Summary:* Shows and explains tests conducted at Aberdeen Proving Grounds, Md., with the new U. S. Army 280-mm. gun.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Great Lakes Invader: The sea lamprey** (*Motion picture*) U. S. Fish and Wildlife Service, 1953.

13 min., sd., color, 16 mm.

*Summary:* Explains how sea lamprey nearly destroyed the fish in the Great Lakes; how scientists studied various methods of controlling this predator and devised electrical barriers and the electromechanical weir and trap; and how, under a Federally sponsored program, the sea lamprey is being controlled and fishery resources restored.

*Borrow from* FWS. *Cleared for tv.*

**Great land** (*Motion picture*) U. S. Army Engineers, 1955.

30 min., sd., color, 16 mm.

*Summary:* Depicts the civil and military activities of the Corps of Engineers over a 50-year period, and gives a documentary record of the part the Corps has played in territorial development.

*Borrow from* Eng. *Cleared for tv.*

**The greatest good** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

11 min., sd., color, 16 mm.

*Summary:* Reviews the life and ideas of Gifford Pinchot, conservationist and forester; shows the development of conservation principles and their influence on forest management.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The greatest treasure** (*Motion picture*) U. S. Information Agency, 1957. Made by Norwood Studios. Released for public educational use in the United States through U. S. Office of Education.

20 min., sd., b&w, 16 mm.

*Summary:* Describes the more important activities, services, and collections of the Library of Congress. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Greatness** (*Motion picture*) U. S. Dept. of the Army, 1958.

9 min., sd., b&w, 16 mm.

Order no. TF 16-2519.

*Summary:* Portrays two enlisted men discussing their sergeant's merits. One soldier describes the sergeant as "great" and recounts several incidents illustrating the sergeant's qualities as a human being and as a leader. Made for us by Army chaplains.

*Borrow from* Army.

**Greece** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

18 min., sd., b&w, 16 mm.

Order no. AFIF 55.

*Summary:* Reviews the history and culture of Greece, and describes her post-war recovery, current economic and social life, and position in NATO.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Greenland 1957** (*Motion picture*) U. S. Army Engineers, 1957.

25 min., sd., color, 16 mm.

*Summary:* Depicts the engineer research and development program of the U. S. Army Engineer Arctic Task Force on the Greenland ice cap, including some of the studies on undersnow camps, ice tunnels, and trafficability.

*Borrow from* Eng. *Cleared for tv.*

**Grid navigation: Application of theory** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

12 min., sd., b&w, 16 mm.

Order no. TF 1-5227b.

*Summary:* Shows in-flight procedures demonstrating the application of the grid navigation theory. Key points covered include the importance of the pacing diagram, the scheduling of the navigator's actions, communications between the pilot and navigator, and the transition from one chart to another.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Grid navigation: Introduction and theory** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

12 min., sd., b&w, 16 mm.

Order no. TF 1-5227a.

*Summary:* Explains the basic factors of aerial navigation and the use of grid procedures in overcoming the problems of polar navigation. Covers special subjects including the use of the gyro, compensation for precession of the gyro, the earth's converging meridians, the grid overlay, and calculations in the Western and Eastern Hemispheres.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Grinding a deep hole** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the internal grinder, no. 2)

Order no. OE 78.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to grind the backing pins and work-holding jaws of three-jaw chuck to hold the work-piece; set length of stroke and break-through; correct for taper and bellmouth; and check a deep hole with an inside micrometer.

*Buy from* UWF.

**Grinding a deep hole** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

46 fr., b&w, 35 mm. (Machine shop work series. Operations on the internal grinder, no. 2)

Order no. OE 78–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a parallel bar. Part 1: Setting up the machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

14 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 1)

Order no. OE 220.

Supplemented by filmstrip of the same title.

With instructor's manual.

*Summary:* How to mount a grinding wheel; position the diamond tool and true the wheel; operate a magnetic chuck; use the controls of the grinder; and grind the face of the chuck.

*Buy from* UWF.

**Grinding a parallel bar. Part 1: Setting up the machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

48 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 1)

Order no. OE 220–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a parallel bar. Part 2: Grinding operations** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 2)

Order no. OE 221.

Supplemented by filmstrip of the same title.

With instructor's manual.

*Summary:* How to position the parallel bar on the chuck; rough-grind the opposite sides of the bar; rough-grind adjacent sides of the bar at exact right angles; and finish-grind all four sides.

*Buy from* UWF.

**Grinding a parallel bar. Part 2: Grinding operations** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

44 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 2)

Order no. OE 221–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a plain pin. Part 1: The grinding wheel** (*Motion picture*) U. S. Office of Education, 1944. Produced by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 1)

Order no. OE 80.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Cutting action of a grinding wheel; how to select the correct grinding wheel; handle and mount the wheel on the collet; and true and balance the wheel.

*Buy from* UWF.

**Grinding a plain pin. Part 2: Grinding operations** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 2)

Order no. OE 81.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to lubricate and set up a center-type grinder; mount and adjust the workpiece for proper tension between centers; set the table reversing dogs; and rough-grind a plain pin.

*Buy from* UWF.

**Grinding a plain pin. Part 1: The grinding wheel** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

41 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 1)

Order no. OE 80–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a plain pin. Part 2: Grinding operations** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

36 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 2)

Order no. OE 81–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a slender shaft with back rest** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 3)

Order no. OE 82.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to select and set up a back rest: adjust the back rest during grinding; rough- and finish-grind the long shaft: and check and adjust for taper.

*Buy from* UWF.

**Grinding a slender shaft with back rest** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

29 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 3)

Order no. 82–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a straight hole** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the internal grinder, no. 1)

Order no. OE 77.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to use a universal chuck; select the proper grinding wheel and adjust the wheel speed; set the length of the stroke; set the cross-feed for automatic grinding; and use the precision cross-feed for finish grinding.

*Buy from* UWF.

**Grinding a straight hole** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the internal grinder, no. 1)

Order no. OE 77–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a taper** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

19 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 5)

Order no. OE 84.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to prepare an arbor for grinding: mount and adjust the arbor between centers; adjust the swivel table and taper scale; rough- and finish-grind the taper; and check with the taper ring gage and light gage.

*Buy from* UWF.

**Grinding a taper** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

30 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 5)

Order no. OE 84–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a template** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 3)

Order no. OE 222.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to mount and true the wheel; mount the sine bar on the table; set the sine bar for specified angles; set up the template on the sine bar; rough- and finish-grind the template; and check the workpiece for accuracy.

*Buy from* UWF.

**Grinding a template** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 3)

Order no. OE 222–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding a V block** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 4)

Order no. OE 223.

Supplemented by filmstrip of the same title.

With instructor's manual.

*Summary:* How to set up a V block to grind the ends and the V; rough- and finish-grind the ends; establish reference points for grinding the V to precision dimensions; and check the work for accuracy.

*Buy from* UWF.

**Grinding a V block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

51 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 4)

Order no. OE 223–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding and facing a blind hole** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the internal grinder, no. 3)

Order no. OE 79.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to mount and dress the wheels on the two-spindle grinder; prepare the diaphragm chuck; plunge-grind the bore and adjust for taper; and grind the shoulder and flange parallel and at right angles to the bore.

*Buy from* UWF.

**Grinding and facing a blind hole** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

38 fr., b&w, 35 mm. (Machine shop work series. Operations on the internal grinder, no. 3)

Order no. OE 79–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding multiple-point carbide tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

20 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 3)

Order no. OE 243.

Supplemented by filmstrip with the same title.

With instructor's manual.

*Summary:* Shows how to resharpen by grinding a dull carbide milling cutter; grind individual teeth offhand; circle-grind; surface-grind; and finish surfaces and edges by honing.

*Buy from* UWF.

**Grinding multiple-point carbide tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

37 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 3)

Order no. OE 243–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding single-point carbide tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

26 min., sd., b&w, 16 mm. (Machine shop work series. Carbide cutting tools, no. 2)

Order no. OE 242.

Supplemented by filmstrip with the same title.

With instructor's manual.

*Summary:* Shows how to semi-finish and finish-grind a dull tool; rough-grind a chipped or broken tip; grind a newly brazed tool; and grind a chip breaker.

*Buy from* UWF.

**Grinding single-point carbide tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

38 fr., b&w, 35 mm. (Machine shop work series. Carbide cutting tools, no. 2)

Order no. OE 242–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Grinding thin discs** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the surface grinder, no. 5)

Order no. OE 224.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to true the grinding wheel; load and operate the magnetic chuck; rough-grind the discs; finish-grind the discs to precision measurements; and check for accuracy and parallelism.

*Buy from* UWF.

**Grinding thin discs** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

45 fr., b&w, 35 mm. (Machine shop work series. Operations on the surface grinder, no. 5)

Order no. OE 224–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Griscom-Russell: How it works, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Distilling plants series. Low pressure type)

Order no. MN 3706–a.

*Summary:* Explains by animation the principles of operation of the low-pressure distilling plant (Griscom-Russell) Illustrates the development of a simple effect distilling plant, explaining the parts and their functions.

*Borrow from* Navy. *Buy from* UWF.

**Griscom-Russell: How it works, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Distilling plants series. Low pressure type)

Order no. MN 3706–b.

*Summary:* Explains by animation the parts, construction, and operation of a double effect distilling plant. Portrays a typical distilling plant, tracing by animation the flow of water, steam, vapor and condensation through the system.

*Borrow from* Navy. *Buy from* UWF.

**Ground adjustable propellers** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
55 fr., b&w, 35 mm.
Order no. FS 1-183.
*Summary:* Covers the parts, removal, installation, inspection, and cone-bottoming of ground-adjustable propellers.
*Borrow from* AF.

**Ground aids to air navigation: Ship to shore** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Wilding Picture Productions.
19 min., sd., b&w, 16 mm.
Order no. MN 6925-c.
*Summary:* Explains the theory and shows operation of TACAN (tactical air navigation)
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Ground controlled approach equipment: Alignment of AN/CPN-4A** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
13 min., sd., b&w, 16 mm.
Order no. MN 8480-b.
*Summary:* Shows, by using the split-screen technique, both the adjustments and the scope patterns as alignment is accomplished in the system timing unit, the Coho amplifier, and the video switching unit.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Ground controlled approach equipment: Siting** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
11 min., sd., b&w, 16 mm.
Order no. MN 8480-a.
*Summary:* Describes the siting and location of ground controlled approach equipment trailers at various runway locations on an airfield.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Ground controlled approach of aircraft: Operational procedure** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.
38 min., sd., b&w, 16 mm.
Order no. MN 6694.
*Summary:* Demonstrates the principles and operation of ground controlled approach (GCA) on the field and in a plane.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Ground handling of aircraft. Part 1: Fixed wing aircraft** (*Motion picture*) U. S. Dept. of the Army, 1957.
23 min., sd., b&w, 16 mm.
Order no. TF 55-2503.
*Summary:* Explains principles and procedures from ground handling of fixed wing Army aircraft; describes the features and functions of the most widely used types; and shows the procedures in manhandling, servicing, taxiing, and mooring aircraft.
*Borrow from* Army.

**Ground handling of aircraft. Part 2: Rotary wing aircraft** (*Motion picture*) U. S. Dept. of the Army, 1957.
21 min., sd., b&w, 16 mm.
Order no. TF 55-2505.
*Summary:* Explains principles and procedures for ground handling of rotary wing Army helicopters; describes the features and functions of various rotary wing types; and demonstrates the procedures in manhandling, servicing, towing, and mooring helicopters.
*Borrow from* Army.

**Ground safety on the flight line, part 1** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
9 min., sd., color, 16 mm.
Order no. TF 1-5047a.
*Summary:* Portrays the work of U. S. Air Force ground crews in servicing B-47's.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Ground safety on the flight line, part 2** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
16 min., sd., color, 16 mm.
Order no. TF 1-5047b.
*Summary:* Portrays an investigation of the burning of a B-47 Air Force plane.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The ground team: Designed for victory** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., b&w, 16 mm.
Order no. MF 80-1275.
*Summary:* Reviews the activities and achievements of U. S. infantry, artillery, and airborne troops during World War II.
*Borrow from* Army. *Buy from* UWF.

**Ground vibration tests of the XH-17 dynamic helicopter model** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.
20 min., si., b&w, 16 mm.
*Summary:* Shows results of some ground vibration tests of a 1/10-scale model, constructed by the NACA, of the XH-17 experimental two-blade "flying crane" jet-driven helicopter. The film is divided into five parts, each part showing tests for different model parameters. For technical personnel, to be used with NACA Research memorandum L50 I 21: Description and investigation of the dynamic model of the XH-17 two-blade jet-driven helicopter.
*Borrow from* NASA.

**Ground ways** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341-c.
*Summary:* Demonstrates step-by-step construction or placing of the following: tie timbers, bearer blocks, ground ways timbers, angle brackets, spur shores, grease strips, launching grease, and grease irons.
*Borrow from* Navy. *Buy from* UWF.

**Group living** (*Motion picture*) U. S. Dept. of the Army, 1960.
9 min., sd., b&w, 16 mm.
Order no. TF 16-2885.
*Summary:* Discusses the pressures of group living as they exist today and raises the question as to whether the mounting pressures of society are depriving the individual of his right to live his life as he chooses.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Grow your own** (*Motion picture*) U. S. Dept. of Agriculture, 1945.
16 min., sd., b&w, 16 mm.
*Summary:* Explains the essentials of good gardening—site selection, soil preparation, garden layout, planting, transplanting, cultivation, weed and pest control, and watering; shows in a "dream sequence" how plants grow; and closes with a series of humorous "don't's" of gardening.
*Rent from* DA film libraries. *Buy from* UWF.

Growing national unity is checked by sectional differences
see American history I, lecture 9: Growing national unity is checked by sectional differences

**The Growler story** (*Motion picture*) U. S. Dept. of the Navy, 1958.
21 min., sd., color, 16 mm.
Order no. MN 8679.
*Summary:* Presents the story of one of the most famed acts of individual heroism of World War II, beginning with the departure of the submarine Growler from Pearl Harbor and climaxed by Commander Howard S. Gilmore's last command from his ship, "Take her down."
*Borrow from* Navy. *Cleared for tv.*

**Guadalajara** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., color, 16 mm.
*Summary:* A tourist view of the Mexican city of Guadalajara.
*Buy from* UWF.

**Guard against sabotage** (*Motion picture*) U. S. Coast Guard, 1955. Made by Campus Film Productions.
29 min., sd., color, 16 mm.
*Summary:* Explains the port security program of the U. S. Coast Guard; shows a Coast Guard search of a suspect vessel approaching port; gives instructions to dock owners, guards, and longshoremen on ways to prevent sabotage and carelessness on dock piers; and warns the public generally of the dangers from saboteurs.
*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Guarding against sabotage** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
32 min., sd., b&w, 16 mm.
Order no. TF 19–1740.
Revision of 1943 film with same title, order no. TF 19–2032.
*Summary:* Discusses the techniques of sabotage—including fire, explosives, and mechanical means—and presents several case histories of sabotage.
*Borrow from* Army. *Buy from* UWF.

**Guerra ao piolho** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Portuguese version of Kill the louse.
*Summary:* Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.
*Buy from* UWF. *Cleared for tv.*

**The guided bend test** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.
17 min., sd., b&w, 16 mm. (Welding procedures series. Testing, no. 1)
Order no. OE 189.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to prepare groove weld and fillet weld test specimens for the guided bend test; and make the test. Shows causes of failure in bending.
*Buy from* UWF.

**The guided bend test** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.
62 fr., b&w, 35 mm. (Welding procedures series. Testing, no. 1)
Order no. OE 189–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Guided missiles** (*Motion picture*) U. S. Dept. of the Army, 1954.
26 min., sd., b&w, 16 mm.
Order no. MF 45–8354.
*Summary:* Illustrates developments in guided missiles, emphasizing the principles of operation, the specialized training required to handle them, and their tactical use.
*Borrow from* Army. *Buy from* UWF.

**Guillotine amputation of the lower extremity** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., color, 16 mm. (Amputations series, no. 1)
Order no. MN 3429–a.
*Summary:* Studies two basic indications for amputations (irreparable interference with blood supply and massive infection which cannot be controlled) and stresses selection of proper site of election before amputation. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Gypsy moth** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
28 min., sd., color, 16 mm.
*Summary:* Explains the destruction caused in North American forests by the gypsy moth and the cooperative Federal-State activities in the United States to eliminate this pest.
*Rent from* DA film libraries. *Cleared for tv.*

**The gyro becomes a compass** (*Motion picture*) U. S. Navy Dept., 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.
15 min., sd., b&w, 16 mm. (The gyro compass series)
Order no. MN 1792–d.
*Summary:* Simplified models of the pendulous and mercury ballistic type compasses are used to explain why the gyroscope, acting as a compass, turns toward the meridian, how its motion is damped, and how it is kept on the meridian.
*Borrow from* Navy.

The gyro compass series
see
The compass system
The gyro becomes a compass
The gyroscope and gravitation

**The gyroscope and gravitation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.
14 min., sd., b&w, 16 mm. (The gyro compass series)
Order no. MN 1792–c.
*Summary:* Explains the theory and operation of pendulous and mercury ballistic type compasses, the effect of gravity on a gyroscope, and the operation of an Arms pendulous compass and a Sperry mercury ballistic compass.
*Borrow from* Navy. *Buy from* UWF.

## H

**HSS automatic stabilization equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Sun Dial Films.
17 min., sd., b&w, 16 mm.
Order no. MN 8137.
*Summary:* Shows pilot utilization of ASE (automatic stabilization equipment), proper operation of the equipment, and theory of operation.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Habits and characteristics of the rat: The Norway rat** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.
28 min., sd., b&w, 16 mm. (Rodent control series, no. 2)
Order no. TF 8–1670 or M 37–b.
Also known as Habits and characteristics of the Norway rat.
Short version, produced 1953 by U. S. Public Health Service, has title: The Norway rat: habits and characteristics.
*Summary:* Explains and pictures the characteristics and habits of the Norway rats—their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the habits of the Norway rats can man control them.
*Borrow from* Army.

Habits and characteristics of the rat: The Norway. rat
see also
The Norway rat, habits and characteristics

**Habits and characteristics of the rat: The roof rat** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

14 min., sd., b&w, 16 mm. (Rodent control series, no. 3)

Order no. TF 8–1671 or M 37–c.

Also known as Habits and characteristics of the roof rat.

Short version, produced 1954 by U. S. Public Health Service, has title: The roof rat, habits and characteristics.

*Summary:* Explains and pictures the characteristics and habits of the roof rats—their climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rats can man control them.

*Borrow from* Army.

Habits and characteristics of the rat: The roof rat
see also
The roof rat, habits and characteristics

**Hacksaws** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

18 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 6)

Order no. TF 9–2031.

*Summary:* Shows various types of hacksaw frames and explains the proper and improper uses of each type.

*Borrow from* Army. *Buy from* UWF.

**Hail, alma mater** (*Motion picture*) U. S. Dept. of the Army, 1951.

6 min., sd., b&w, 16 mm.

Order no. MF 45–7805.

*Summary:* West Point choir sings "Hail, alma mater" and "Army blue" with background scenes of West Point.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Half a chance** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

10 min., sd., b&w, 16 mm.

Order no. MF 8–1254.

*Summary:* Study of the successful orthopedic rehabilitation and personal psychological adjustment of an amputee.

*Borrow from* Army. *Buy from* UWF.

**The Halifax incident** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.

6 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202–a.

A longer version, which included a part entitled Introduction, was produced and released in 1942.

*Summary:* Shows how misinterpretation of a ship's whistle signal caused the collision of the Halifax.

*Borrow from* Navy. *Buy from* UWF.

**Hammers** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

11 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 4)

Order no. TF 9–2029.

*Summary:* Explains the proper care and use of a machinist's ball, straight and cross peen hammers, sledge hammer, and a carpenter's claw hammer.

*Borrow from* Army. *Buy from* UWF.

**Hand dishwashing and general scullery practices** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.

11 min., sd., b&w, 16 mm.

Order no. MN 7461–a.

*Summary:* Explains necessary steps in efficient scullery operations, and demonstrates the scraping and pre-rinsing of utensils, proper uses of detergents, and washing and rinsing operations.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Hand soldering** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

20 min., sd., b&w, 16 mm. (Accessory assembly series. Tools and procedures, no. 1)

Order no. OE 479.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Theory of soldering; how to prepare soldering irons and torches; clean and prepare the work; fasten joints; solder wire and lug joints; and seal seams.

*Buy from* UWF.

**Hand soldering** (Filmstrip) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

54 fr., b&w, 35 mm. (Accessory assembly series. Tools and procedures, no. 1)

Order no. OE 479–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Hand spraying of DDT** (*Filmstrip*) U. S. Public Health Service, 1946.

72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.

Order no. 5–011.2.

Supplementary filmstrip with the title Quiz: Hand spraying of DDT, also available.

*Summary:* Demonstrates the use of DDT residual spray in the home, methods of hand spraying, and the use and care of equipment.

*Borrow from* PHS. *Buy from* UWF.

Hand spraying of DDT
see also
Equipment for hand spraying of DDT

**Hand tools for fabric work** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

55 fr., b&w, 35 mm.

Order no. SN 102.

*Summary:* Demonstrates how to sharpen a pocket knife; shows the straight shears, "pinking shears," the short straight needle, and the curved needle; and explains their use and care.

*Borrow from* Navy. *Buy from* UWF.

**Handling a lifeboat under oars. Part 1: Rowing** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

12 min., sd., b&w, 16 mm.

Order no. MCG 106, formerly MG 2160–a.

*Summary:* Demonstrates the proper wrist and body movements in rowing, and the four phases of a complete stroke.

*Buy from* UWF.

**Handling a lifeboat under oars. Part 2: Commands** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., b&w, 16 mm.

Order no. MCG 112, formerly MG 2160–b.

*Summary:* Demonstrates the various commands used in handling a lifeboat under oars, and shows the proper stance for the coxswain and his men.

*Buy from* UWF.

**Handling and storing apples in pallet boxes** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

23 min., sd., color, 16 mm.

*Summary:* Presents the methods, devices, and equipment developed through engineering research on handling and storing apples in pallet boxes. Discusses criteria for the design and construction of pallet boxes and compares the use of such boxes with the use of conventional boxes. Shows and evaluates methods and equipment used in moving and handling apples in pallet boxes.

*Rent from* DA film libraries. *Cleared for tv.*

**Handling and use of glassware** (*Filmstrip*) U. S. Public Health Service, 1952.

82 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Basic laboratory training for nonprofessional workers, no. 2)

Order no. F 106–b.

*Summary:* Explains methods and precautions to be used in handling glassware in a laboratory.

*Borrow from* PHS. *Buy from* UWF.

**Handling livestock for market** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

21 min., sd., b&w, 16 mm. (Farm work series. Livestock, no. 3)

Order no. OE 459.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Causes of losses in marketing livestock; how to prevent injuries to livestock on the farm, before shipment, when loading, and during shipment.

*Buy from* UWF.

**Handling livestock for market** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

46 fr., b&w, 35 mm. (Farm work series. Livestock, no. 3)

Order no. OE 459–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Handling seaplanes on land** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

36 fr. b&w, 35 mm.

Order no. SN 2786.

*Summary:* Explains how to move seaplanes by hand, by tractor, and by taxiing; and how to secure seaplanes on land.

*Borrow from* Navy. *Buy from* UWF.

**Hardness testing: Rockwell** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

18 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 5)

Order no. OE 149.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Need for hardness testing; how to set up the Rockwell hardness tester; select and seat the penetrator; select and mount the anvil; adjust the timing of the machine; and test flat and curved surfaces.

*Buy from* UWF.

**Hardness testing: Rockwell** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

49 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 5)

Order no. OE 149–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Harnessing a river** (*Motion picture*) U. S. Army Engineers, 1956.

14 min., sd., color, 16 mm.

*Summary:* Illustrates the need for flood control on the Genesee River; shows construction features of Mt. Morris Dam and describes the advantage of the structure to the city of Rochester; presents scenic views of the Genesee River Gorge and surrounding area.

*Borrow from* Eng. *Cleared for tv.*

**Harnessing floods** (*Motion picture*) U. S. Army Engineers, 1950.

14 min., sd., color, 16 mm.

*Summary:* Demonstrates the construction of a large earth dam, and explains the benefits derived from such a structure.

*Borrow from* Eng. *Cleared for tv.*

**Harvesting native grass seed** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

10 min., sd., color, 16 mm.

*Summary:* Shows methods of harvesting the seed of tall and short grasses, the use of a standard combine, methods of cleaning seed, and the value of using native grasses in soil and water conservation.

*Rent from* DA film libraries.

**Harvests for tomorrow** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

27 min., sd., b&w, 16 mm.

*Summary:* Shows the basic need for soil conservation in New England and the use of soil building practices, particularly grasses and legumes.

*Rent from* DA film libraries. *Buy from* UWF.

**Hasty sign making** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

21 min., sd., b&w, 16 mm.

Order no. FB 19–246.

*Summary:* Demonstrates procedures to be followed, using an army kit of materials, in making signs by the silk screen process.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Hatch canopy** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

90 fr., b&w, 35 mm. (Shipbuilding skills series. Sailmaking)

Order no. SN 2343–n.

Supplements the motion pictures with titles: Hatch canopy, part 1: Measuring and drawing; part 2, Layout; part 3, Machining and finishing-off.

*Summary:* Explains procedures for making a drawing for a hatch canopy; illustrates how drawing is used to make a floor layout; and shows how to machine the canvas.

*Borrow from* Navy. *Buy from* UWF.

**Hatch canopy. Part 1: Measuring and drawing** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sailmaking)

Order no. MN 2343–b.

Supplementary filmstrip with title Hatch canopy, also available.

*Summary:* Explains procedures for making rough sketch, taking measurements, and making isometric drawing for a hatch canopy.

*Borrow from* Navy. *Buy from* UWF.

**Hatch canopy. Part 2: Layout** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sailmaking)

Order no. MN 2343–c.

Supplementary filmstrip with title Hatch canopy, also available.

*Summary:* Illustrates how scale drawing is used to make a floor layout, how canvas is marked and cut from floor layout and prepared for machining.

*Borrow from* Navy. *Buy from* UWF.

**Hatch canopy. Part 3: Machining and finishing-off** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sailmaking)

Order no. MN 2343–d.

Supplementary filmstrip with title Hatch canopy, also available.

*Summary:* Shows rubbing of the edges and machining of the canvas; installing grommets; measuring, cutting, and stretching rope.

*Borrow from* Navy. *Buy from* UWF.

**The haven** (*Motion picture*) U. S. Information Agency, 1954. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1954.

16 min., sd., b&w, 16 mm.

*Summary:* Portrays the settlement in New Jersey of a group of Russian refugees and explains how they are making a new life for themselves in the United States. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The Hawaii University choir in Japan** (*Motion picture*) U. S. Information Agency, 1959. Released for public educational use in the United States through U. S. Office of Education, 1959.

24 min., sd., b&w, 16 mm.

*Summary:* Portrays the Japanese tour of the 60-voice choir of the University of Hawaii and shows, through the simplicity and naturalness of the group's performances, the interracial harmony of the people of Hawaii. Filmed in Japan. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Hay is what you make it** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

18 min., sd., color, 16 mm.

*Summary:* Shows how to improve the quality of hay by cutting at the right stage of growth, curing the right length of time, and storing properly.

*Rent from* DA film libraries. *Buy from* UWF.

**Hay que alimentar la tierra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Spanish version of The land must eat.

*Summary* Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.

*Buy from* UWF. *Cleared for tv.*

**Hazards in ground operation of jet aircraft** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Industrial Films. Released for public educational use through U. S. Office of Education, 1950.

5 min., sd., color, 16 mm. (Flight safety series)

Order no. MN 4353–p.

*Summary:* Explains through animation the exhaust blast, suction, and cooling hazards of jet propelled aircraft; and safety precautions to prevent injury to personnel and damage to jet engines.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Hazards of dental radiography** (*Motion picture*) U. S. National Bureau of Standards, 1954.

13 min., sd., color, 16 mm.

*Summary:* Illustrates the elementary physics concerned with dental radiography and, by showing actual radiographic procedures in the dental office, points out the hazarads involved in the use of X-radiation by the dentist.

*Borrow from* NBS. *Buy from* NBS.

Head and neck anatomy series
see
Carotid triangle
Masseter, temporal muscles and temporal fascia
Parotid gland and facial nerve
Submandibular and submental triangle
Superficial structures and boundaries of carotid triangle

**Head injury, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., color, 16 mm. (Medicine in action series, no. 8)

Order no. MN 3726–h.

*Summary:* Presents a cranial operation and demonstrates surgical and medical techniques involved. For medical personnel.

*Borrow from* Navy. *Buy from* UWF.

**Head of the house** (*Motion picture*) U. S. Information Agency, 1953. Made by Mental Health Film Board. Released for public educational use in the United States through U. S. Office of Education, 1954.

40 min., sd., b&w, 16 mm.

*Summary:* Depicts the emotional problems of a young boy, his rebellion against parental controls, particularly his father's repressive discipline, and his gradual development into a potential juvenile delinquent. Shows the assistance of a community social worker and a neighborhood welfare house in bringing about development of better understanding between father and son. Stresses American spirit of public service and community concern for child welfare. Prepared for overseas use.

*Buy from* UWF.

**Headquarters U. S. A.** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

30 min., sd., b&w, 16 mm.

Order no. AFIF 70.

*Summary:* Portrays a tour taken by a group of servicemen through Washington, D. C., covering highlights such as the White House, the Capitol, the Washington, Jefferson, and Lincoln Memorials, the National Archives, and the Tomb of the Unknown Soldier.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Health for the Americas series
see
Cleanliness brings health
Environmental sanitation
How disease travels
The human body
Infant care
Planning for good eating
Tuberculosis
What is disease?

**Health hazards of pesticides** (*Motion picture*) U. S. Public Health Service, 1958.

14 min., sd., color, 16 mm.

Order no. M 204.

*Summary:* Emphasizes the potential public health hazards resulting from the widespread use of pesticides, explains the work of the Communicable Disease Center's toxicology laboratories in measuring this hazard, and makes recommendations for the safe use of pesticides.

*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Healthier livestock through research** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

6 min., sd., b&w, 16 mm.

*Summary:* Describes research conducted on foot-and-mouth disease at the Animal Disease Laboratory, Plum Island, N. Y. For television use.

*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Hearing evaluation and rehabilitation** (*Motion picture*) U. S. Dept. of the Army, 1960.

24 min., sd., b&w, 16 mm.

Order no. PMF 5326.

*Summary:* Describes the work of the Audiology and Speech Center at the Walter Reed Hospital, Washington, D. C., in the evaluation and rehabilitation of hearing loss in military personnel. Depicts the tests conducted to evaluate hearing loss and describes the speech evaluation tests performed on patients suffering from hearing loss. Shows the various phases of the rehabilitation program. Emphasizes that each case is discussed and evaluated by the rehabilitation team to assure proper physical and emotional rehabilitation of patients.

*Borrow from* Army.

**Heart of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1956.

14 min., sd., b&w, 16 mm.

Order no. MN 8224.

*Summary:* Shows how the Navy provided help during the Berlin blockade, the winter storms of January 1949, the Greek island quakes of August 1953, the Vietnam evacuation of August 1954, and the Mexico flood of October 1954. Also shows how the Navy aided Korean orphans in 1953.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Heat and its control** (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

20 min., sd., b&w, 16 mm.

Order no. 192.

*Summary:* Emphasizes the importance of controlling heat and the many roles heat plays in present-day life; explains three methods of heat transfer—radiation, convection, and conduction; and shows the manufacture and use of insulating materials such as magnesia, rockwool, asbestos, and celite.

*Borrow from* BM. *Cleared for tv.*

**Heat disorders: General effects of heat on man** (*Motion picture*) U. S. Dept. of the Army, 1960.

22 min., sd., b&w, 16 mm.

Order no. TF 8–2762.

*Summary:* Describes the causes, symptoms, treatment, and prevention of the three major heat disorders that may be encountered by troops when living and working in extremely hot climate—heat cramps, heat exhaustion, and heat stroke.

*Borrow from* Army. *Buy from* UWF.

**Heat disorders: Heat exhaustion, heat stroke, and cramps** (*Motion picture*) U. S. Dept. of the Army, 1952.

25 min., sd., b&w, 16 mm.

Order no. PMF 5167.

*Summary:* Explains the causes, symptoms, treatment, and preventive measures for three common heat disorders: heat exhaustion, heat stroke, and heat cramps. Through animated diagrams analyzes the physiological aspects of the undue heat load, the common cause of various heat disorders.

*Borrow from* Army.

**Heat treatment of aluminum, film 1** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

19 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 344.

Supplemented by filmstrip with the same title.

With instructor's manual.

*Summary:* Purpose of heat treatment; microstructure changes during heat treatment; procedure of heat treatment; aging or precipitation hardening; effects of heat treatment on the physical properties of aluminum.

*Buy from* UWF.

**Heat treatment of aluminum, film 1** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

47 fr., b&w, 35 mm. (Engineering series)

Order no. OE 344 [illegible]

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Heat treatment of aluminum, film 2** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

24 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 345.

Supplemented by filmstrip with the same title.

With instructor's manual.

*Summary:* Nature of cold-working operations; microstructure changes during cold working and during annealing; cold working and annealing operations.

*Buy from* UWF.

**Heat treatment of aluminum, film 2** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

41 fr., b&w, 35 mm. (Engineering series)

Order no. OE 345–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Heat treatment of steel series
see Engineering series. Heat treatment of steel

**Heavy lifts** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

21 min., sd., b&w, 16 mm. (Military stevedoring series, no. 7)

Order no. TF 55–1744.

*Summary:* Demonstrates proper techniques to be used in the slinging, lifting, steadying, lowering, bracing, and lashing of various types of heavy equipment.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Height gages and test indicators** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

12 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 5)

Order no. OE 5.

Supplemented by filmstrip with the same title.

With instructor's manual.

*Summary:* Presents the principles and parts of the vernier height gage; shows how to use the gage to lay out holes and to set test indicators; and how to use test indicators to check the accuracy of machined surfaces.

*Buy from* UWF.

**Height gages and test indicators** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

34 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 5)

Order no. OE 5–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Helicopter: Arctic operations** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

29 min., sd., color, 16 mm.

Order no. TF 1–5102a.

*Summary:* Demonstrates techniques and procedures necessary for safe helicopter operations in the Arctic.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The helicopter as an aid in Alaska surveys** (*Motion picture*) U. S. Geological Survey, 1952.

12 min., si., color, 16 mm.

*Summary:* Shows the use of the helicopter in field operations in the topographic mapping of rugged and remote areas.

*Borrow from* GS.

**Helicopter: Emergency procedures. Part 1: Blade stalls** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

12 min., sd., b&w, 16 mm.

Order no. TF 1–5102g.

*Summary:* Shows emergency procedures to be followed during blade stalls. Explains stall areas, angle of pitch, recovery procedures, reverse flow, weight, turbulence, high density altitudes, G forces, and lift and drag factors.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Emergency procedures. Part 2: Emergency procedures in the H–13** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

12 min., sd., b&w, 16 mm.

Order no. TF 1–5102h.

*Summary:* Demonstrates emergency procedures in case of blade stall, turbulence, loss of directional control, loss of fan belt, and mechanical failures.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Emergency procedures. Part 3: Emergency procedures in the H–19** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

8 min., sd., b&w, 16 mm.

Order no. TF 1–5102i.

*Summary:* Demonstrates emergency procedures such as recovery from stalls, settling with power, blade and serve stalls, and emergency landings. Explains techniques of ditching with passengers.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Emergency procedures. Part 4: Emergency procedures in the H–21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

6 min., sd., b&w, 16 mm.

Order no. TF 1–5102j.

*Summary:* Demonstrates what to do in emergencies, including procedures to be employed in case of fire and ditching.

*Borrow from* AF. *Bnuy from* UWF. *Cleared for tv.*

**Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

8 min., si., b&w with color sequences, 16 mm.

*Summary:* Motion pictures made by a camera mounted in the nose of a single-rotor helicopter showing the effects of increased damping, varied by electronic components, in roll, pitch, and yaw on flying qualities in precision visual maneuvers and instrument approaches. For technical personnel to be used with NACA Technical note 3537. Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw.

*Borrow from* NASA.

**Helicopter maintenance. Part 1: Helicopter power plants** (*Motion picture*) U. S. Dept. of the Army, 1957.

13 min., sd., b&w, 16 mm.

Order no. TF 55–2308.

*Summary:* Shows basic similarities and differences between the six types of power plants currently used in helicopters, including their nomenclature, components, features, operation, installation, and maintenance; and stresses reference to applicable technical orders for proficiency in engine maintenance and repair.

*Borrow from* Army.

**Helicopter maintenance. Part 2: Transmissions and free wheeling units** (*Motion picture*) U. S. Dept. of the Army, 1957.

16 min., sd., b&w, 16 mm.

Order no. TF 55–2309.

*Summary:* Shows the functions and operation of helicopter transmissions, including planetary gear reduction in the H–13 and H–23 and changing angle of drive in the H–19 and H–21. Describes the free wheeling units in the H–13, H–23, H–19, H–21, and H–25, and shows how these units, though varying in design, operate on the same principle to provide positive lock during normal rotation and free wheeling during autorotation. Stresses proper use of applicable technical orders for proficient maintenance and repair of helicopter transmissions.

*Borrow from* Army.

**Helicopter maintenance. Part 3: Introduction to power trains** (*Motion picture*) U. S. Dept. of the Army, 1957.

15 min., sd., b&w, 16 mm.

Order no. TF 55–2310.

*Summary:* Discusses the function, major components, and operation of the single rotor type power train in the H–19 helicopter, and the tandem rotor type power train in the H–21 helicopter.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Helicopter maintenance. Part 5: Rotor blade inspection, repair, and tracking (H–19, H–34, H–37)** (*Motion picture*) U. S. Dept. of the Army, 1958.

33 min., sd., b&w, 16 mm.

Order no. TF 55–2312.

*Summary:* Shows helicopter rotor blade maintenance of the H–19, H–34, and H–37, including safe handling and proper cleaning of blades; performance of inspections; types of blade damage; limits of repair; repair of pocket punctures, nicks, scratches, and cracks; replacement of tip fairings; refinishing; corrosion prevention; blade installation; blade tracking; tracking adjustment; and test flight to insure proper blade balance and operating efficiency. Stresses the use of applicable technical orders for instruction in all inspections and repairs.

*Borrow from* Army.

**Helicopter: Mountain operations** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

25 min., sd., color, 16 mm.

Order no. TF 1–5102b.

*Summary:* Describes techniques and procedures necessary to the safe operation of helicopters in mountainous terrain. Shows preflight plans and precautionary measures, cargo loading, sling loads, power conservation through maximum utilization of mountain winds, and turbulence and similar obstacles encountered in mountain operations. Shows an actual flight of two H–19's to explain safe approaches and takeoffs.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter orientation: Introduction to helicopters** (*Motion picture*) U. S. Dept. of the Army, 1958.

20 min., sd., b&w, 16 mm.

Order no. TF 46–2554.

*Summary:* Depicts the historical development of the helicopter from the fifteenth century to the present and shows several types of helicopters in use by the military services as well as some experimental models. Discusses basic helicopter flight principles, including gravity, lift, thrust, drag, torque, dissymmetry of lift, and the effects of collective and cyclic pitch change. Shows flight controls in a typical helicopter and some civil and military applications of the heliopter.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Helicopter orientation: Introduction to rotary wing flight** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

27 min., sd., b&w, 16 mm.

Order no. MN 7306–a.

*Summary:* Explains the history of helicopter development, the uses and versatility of the helicopter, and the basic aerodynamic principles as applied to helicopter flight. Uses animation to show the effect of density altitude and to illustrate aerodynamic principles.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Helicopter orientation: Operation of the single main rotor helicopter** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

19 min., sd., b&w, 16 mm.

Order no. MN 7306–b.

*Summary:* Shows the procedure used in preflighting the helicopter from the pilot's viewpoint. Demonstrates how the controls are used in flight and the effects of applying the different controls. Illustrates starting the engine and shows procedures used in checking engine operation before take-off. Stresses location of, and proper indications of, all instruments. Shows how to secure the helicopter after flight.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Helicopter orientation: The basic anatomy of the helicopter** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

15 min., sd., b&w, 16 mm.

Order no. MN 7306–c.

*Summary:* Illustrates main component parts of the HTL–5 helicopter. Shows in animated diagrams the fuel, electrical, and basic flight-control systems.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Helicopter post flight inspection: The H–34** (*Motion picture*) U. S. Dept. of the Army, 1957.

26 min., sd., b&w, 16 mm.

Order no. TF 46–2338.

*Summary:* Shows the post flight inspection of the H–34 helicopter, with emphasis on the importance of the inspection, standard procedures, and use of standard forms. Illustrates the duties of each man of a three-man inspection team.

*Borrow from* Army.

**Helicopter rescue at sea** (*Motion picture*) U. S. Dept. of the Navy, 1959.

21 min., sd., color, 16 mm.

Order no. MN 8760–a.

*Summary:* Describes how a survivor, by knowing what to do, can cooperate in his own rescue by helicopter.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Helicopter special delivery** (*Motion picture*) U. S. Dept. of the Army, 1953.

11 min., sd., b&w, 16 mm.

Order no. MF 45–7945.

*Summary:* Portrays a river crossing effected through the use of a helicopter company, in which the "whirly-birds" not only deliver men, artillery, and ammunition, but also carry back the wounded.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Vibrations and resonance. Part 1: Vibrations in the H–13** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 1–5102c.
*Summary:* Explains various types of vibration in the H-13 helicopter and how to determine the cause of each. Through animation, describes and traces to the cause each tell-tale vibration. Explains low, medium, and high frequency vibrations.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Vibrations and resonance. Part 2: Vibrations in the H–19** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
7 min., sd., b&w, 16 mm.
Order no. TF 1–5102d.
*Summary:* Demonstrates vibrations in the H–19, and checks to determine the causes, including medium and high frequency vibration, blades out of track, improper torque, internal malfunctions, main and tail rotor assembly, tail rotor driveshaft, etc.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Vibrations and resonance. Part 3: Vibrations in the H–21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
5 min., sd., b&w, 16 mm.
Order no. TF 1–5102e.
*Summary:* Tell-tale vibrations in the H–21 are demonstrated, described, and traced to the cause.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter: Vibrations and resonance. Part 4: Ground resonance** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
8 min., sd., b&w, 16 mm.
Order no. TF 1–5102f.
*Summary:* Demonstrates by animation the techniques required to avoid ground resonance caused by severe oscillation, unbalanced rotor system, low strut, low tire, faulty loading, etc.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helicopter weight and balance** (*Motion picture*) U. S. Dept. of the Army, 1957.
25 min., sd., b&w, 16 mm.
Order no. TF 46–2339.
*Summary:* Explains the basic principles of weight and balance in terms of helicopter flight requirements, illustrating the special sensitivity of rotary wing aircraft to weight and balance variations. Emphasizes that the principles of weight and balance apply to all types of helicopters.
*Borrow from* Army.

**Hell for leather** (*Motion picture*) U. S. War Dept., 1946.
10 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45–1278.
*Summary:* History of the U. S. 1st Cavalry Division, particularly during World War II.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Hell on wheels** (*Motion picture*) U. S. Dept. of the Army, 1951.
17 min., sd., b&w, 16 mm.
Order no. MF 17–7864.
*Summary:* Covers the highlights in the history of the 2d Armored Division.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Help available** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
23 min., sd., b&w, 16 mm.
Order no. SFP 330.
*Summary:* Reviews the training of SA–16 pilots at Albrook Air Force Base in Panama in wet ditch drilling, use of rubber rafts, Mae Wests, survival kits, and living in the jungle; and recreates a rescue of a South American plane forced down in the Panama jungle.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Helping teachers to understand children, part 1** (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.
21 min., sd., b&w, 16 mm.
*Summary:* Tells the story of the work of the Institute for Child Study at the University of Maryland and shows how a school faculty may set up a local child study program and receive guidance and aid from the institute. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Helping teachers to understand children, part 2** (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.
25 min., sd., b&w, 16 mm.
*Summary:* Describes a summer workshop conducted at the Institute for Child Study at the University of Maryland. Shows the various activities that aid in making the group more fully aware of the many forces that effect a child's personality, his approach to other children, adults, and his school studies. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Hematological technique: Collecting blood samples** (*Motion picture*) U. S. Dept. of the Navy, 1954.
7 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MN 9375–a.
*Summary:* Demonstrates how to collect blood samples from the finger.
*Borrow from* Navy. *Buy from* UWF.

**Hematological technique for charging the hemocytometer** (*Motion picture*) U. S. Dept. of the Navy, 1954.
6 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MN 9375–b.
*Summary:* Demonstrates how to take a blood count of red and white corpuscles.
*Borrow from* Navy. *Buy from* UWF.

**Hemimandibulectomy and immediate restoration with acrylic implant** (*Motion picture*) U. S. Veterans Administration, 1954.
25 min., sd., color, 16 mm.
*Summary:* Presents a case of adamantinoma and demonstrates the resection of the left hemimandible including the condyle, and the immediate implantation of an acrylic prothesis.
*Borrow from* VA. *Buy from* UWF.

**Hemorrhagic fever: Clinical features** (*Motion picture*) U. S. Dept. of the Army, 1955.
45 min., sd., color, 16 mm.
Order no. PMF 5301.
*Summary:* Summarizes knowledge gained through the past years on epidemic hemorrhagic fever among United Nations troops in Korea. Presents current opinion on the epidemiology, etiology, and control of the disease. Emphasizes clinical and pathological findings and current therapeutic measures for the disease.
*Borrow from* Army.

**Hemothorax with a consideration for specific remedial breathing exercises** (*Motion picture*) U. S. War Dept., 1946.
41 min., sd., color, 16 mm. (Thoracic surgery, no. 1)
Order no. PMF 5016.
*Summary:* Describes pathologic, diagnostic, and therapeutic aspects of hemothorax and other disorders of the pleura and pleural cavity. For medical personnel.
*Borrow from* Army.

The hepatic parenchyma and the biliary passages see The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages

**Herald tribune youth forum** (*Motion picture*) U. S. Dept. of State, 1951. Produced by RKO Pathe. Released for educational use in the United States through U. S. Office of Education, 1951.

38 min., sd., b&w, 16 mm.

*Summary:* Covers a visit to the United States of 25 students from Eastern and Middle Asia, their participation in the fifth annual forum for high-school students held by the New York Herald tribune, and their impressions of the United States. Prepared for overseas use.

*Buy from* UWF.

**Hereditary ataxia** (*Motion picture*) U. S. Dept. of the Army, 1949.

31 min., sd., color, 16 mm.

Order no. PMF 5140.

*Summary:* Explains hereditary and clinical characteristics of hereditary ataxia, including early symptoms, later indications, and signs of advanced stages. Discusses diagnostic procedures. For medical personnel.

*Borrow from* Army.

**A heritage we guard** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

30 min., sd., b&w, 16 mm.

*Summary:* Traces the exploitation of land, forests, and wildlife in the westward movement of trappers and settlers; shows the consequences of this wastage, and emphasizes the relationship between wildlife and soil conservation.

*Rent from* DA film libraries. *Buy from* UWF.

**Hero next door** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

27 min., sd., b&w, 16 mm.

Order no. SFP 350.

*Summary:* Explains the function of the Civil Air Patrol; illustrates its methods of search and rescue, its function of mercy, and disaster missions.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The Hessian fly and its control** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

33 fr., b&w, 35 mm.

Order no. 407.

With lecture notes.

*Summary:* Explains the history and life habits of the Hessian fly and recommends measures for its control.

*Buy from* PhotoLab.

**The hidden menace** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

23 min., sd., color, 16 mm.

*Summary:* Points out ways in which pests and diseases are unwittingly carried from one country to another, and how travelers can help customs inspectors and American agriculture in controlling this problem.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**High altitude, high speed, flight problems: Physiological effects** (*Motion picture*) U. S. Dept. of the Navy, 1952.

23 min., sd., color, 16 mm.

Order no. MN 6915–a.

*Summary:* Describes physiological effects on the pilot of flight at high altitude and high speeds. Explains the operation of oxygen equipment, cabin pressurization and ventilation, "G" suits, and escape methods. Demonstrates oxygen equipment, preflight and inflight checks.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**High frequency soldering** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

17 min., sd., b&w, 16 mm. (Accessory assembly series. Tools and procedures, no. 2)

Order no. OE 480.

With instructor's manual. Supplemented by filmstrip with same title.

*Summary:* Theory of high frequency heating; how to select a work coil and leads; tune a converter; determine correct soldering time and temperature; and use an automatic timer.

*Buy from* UWF.

**High frequency soldering** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

57 fr., b&w, 35 mm. (Accessory assembly series. Tools and procedures, no. 2)

Order no. OE 480–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**High impact shock on electrical equipment** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1949.

19 min., sd., b&w, 16 mm.

Order no. MN 3470.

*Summary:* Effect of near-miss explosions on ships; results of high pressure vibrations and direct hits; factory testing of equipment for shock proof qualities; danger of near-miss explosions. Straight photography and animation.

*Borrow from* Navy. *Buy from* UWF.

**High plain** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.

20 min., sd., b&w, 16 mm.

*Summary:* Portrays and describes the lives of the descendants of the Aymara tribe living on the high plain of Bolivia.

*Buy from* UWF.

**High speed air flow for airfoils (compressibility)** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

30 min., si., b&w, 16 mm.

*Summary:* Pictures of high-speed air flow over airfoils and the shock waves and effect of compression at speeds approaching and above that of sound. Includes views of NACA high-speed rectangular wind tunnel and the schlieren apparatus. For use by technical personnel.

*Borrow from* NASA.

**The high speed blender** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.

81 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Infectious hazards of bacteriological techniques, no. 4)

Order no. F 57–e.

*Summary:* Demonstrates how a high speed blender may liberate dangerous aerosols from cultures of infectious organisms, and suggests the use of a ventilated safety cabinet.

*Borrow from* PHS. *Buy from* UWF.

**High-speed flight research [at Muroc]** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

21 min., sd., color, 16 mm.

Silent version also released in 1952 with the title NACA high-speed flight research station.

*Summary:* Shows some of the highly-instrumented aircraft and operations in a program of flight research at speeds approaching and exceeding the speed of sound, conducted by the NACA in cooperation with the U. S. Air Force, U. S. Navy, and aircraft manufactures. For use by technical personnel.

*Borrow from* NASA.

High-speed flight research at Muroc
see also
NACA high-speed flight research station

**High-speed photographs of autoignition and knock in a spark-ignition reciprocating engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

40 min., sd., b&w, 16 mm.

Order no. TF 20.

Revision of the 1946 silent film with the same title.

*Summary:* High-speed pictures of the combustion process in a spark-ignition reciprocating engine. For technical personnel, to be used with NACA Report 855: Relations between spark-ignition engine knock, detonation waves, and autoignition as shown by high-speed photography, and with NACA Report 8457: Analysis of spark-ignition engine knock as seen in photographs taken at 200,000 frames per second.

*Borrow from* NASA.

**High temperature materials** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

27 min., sd., color, 16 mm.

Order no. HQ–4.

*Summary:* Describes the improvement of existing alloys by dispersions of stable high-melting-point particles, the study of alloy systems based on the high-melting-point metals, such as tungsten and columbium, and the study of the underlying reasons for the brittleness of ceramics. For technical personnel.

*Borrow from* NASA.

**High-temperature short-time pasteurization: Equipment and controls** (*Filmstrip*) U. S. Public Health Service, 1951.

96 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. F 10–a.

Supplements the motion picture released under the title **High-temperature short-time pasteurization.**

*Summary:* Shows the essential components of a high-temperature short-time pasteurization installation, its structure, flow plan, and operating principles.

*Borrow from* PHS. *Buy from* UWF.

**High-temperature short-time pasteurization. Part 2: Inspection and testing** (*Motion picture*) U. S. Public Health Service, 1951.

21 min., sd., b&w, 16 mm.

Order no. M 10–a.

Supplementary filmstrip released under the title **High-temperature short-time pasteurization: Equipment and controls.**

*Summary:* Explains the standards for high-temperature, short-time pasteurization of milk and the inspection procedures to be followed by a milk sanitarian, including checking the accuracy of the thermometer, functioning of the recorder-controller, pressure in the regenerator, accuracy of the diversion valve, and duration of the holding time.

*Borrow from* PHS. *Buy from* UWF.

**Higher and faster** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1951.

19 min., sd., b&w, 16 mm.

Order no. AFSR 99.

*Summary:* Traces the rapid advancement in the construction of airplanes since the time of the Wright Brothers; and the role of airplanes in achieving victory in World Wars I and II.

*Borrow from* Army. *Buy from* UWF.

**Highline** (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1950.

20 min., sd., color, 16 mm.

*Summary:* Explanation and pictorial survey of the construction and operation of the transmission network of the Bonneville Power Administration for marketing hydro-electric power from Bonneville and Grand Coulee Dams.

*Borrow from* BPA.

**Highways in the sky** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

34 min., sd., color, 16 mm.

Order no. SFP 386.

*Summary:* An orientation film on charts in general with an explanation of the science and production of U. S. Air Force charts based on trimetrogen reconnaissance photography.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Himalayan awakening** (*Motion picture*) U. S. Information Agency, 1957. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education.

35 min., sd., color, 16 mm.

*Summary:* Describes the social, cultural, economic, and historical background of modern Nepal, and its accomplishments through a planned program of economic development with assistance from India and the United States. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Histopatholgical technique: Processing a gross specimen** (*Motion picture*) U. S. Dept. of the Navy, 1954.

10 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 9375–d.

*Summary:* Demonstrates the methods involved in preparing and freezing a gross specimen.

*Borrow from* Navy. *Buy from* UWF.

The histopathology of human fungus infections series
see
Cutaneous infections
Subcutaneous infections
Superficial infections
Systemic infections

**Historic rural homes** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

48 fr., b&w, 35 mm.

Order no. 334.

With lecture notes.

*Summary:* Photographs of famous farm homes which are of interest because of their association with leaders in American history and American agriculture.

*Buy from* PhotoLab.

Historical reports series
see
The Admiralty Islands
American First Army: Aachen to the Roer River
American Ninth Army: Aachen to the Roer River
Bougainville
D-day convoy
Invasion of southern France
Military pipeline system: CBI theater
Naples to Cassino
Sicily to Naples

**The history of the U. S. Army uniform** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFSM 567.

*Summary:* Reviews the history of the United States Army uniform, using sketches, still photographs, and live action to depict the American soldier's uniform from the Revolutionary era to the present day.

*Borrow from* Army. *Cleared for tv.*

History of the United States Navy
see
The naval wars with France and Tripoli
Navy decline, the new Navy, and the war with Spain, 1865–1898
War of Independence, 1775–1783
World wide naval operations in peace and war, 1815–1860

**History of the U. S. Navy Hydrographic Office** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Academy Pictures.

16 min., sd., color, 16 mm.

Order no. FN 8300.

*Summary:* Explains the contributions made by the Hydrographic Office of the Navy and to the U. S. and foreign merchant marines, and describes some of its more important activities and accomplishments from 1830 to the present time.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**History of the U. S. Navy Supply Corps** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Academy Productions.
14 min., sd., color, 16 mm.
Order no. FN 8135.
*Summary:* Traces the activities and contributions of the U. S. Navy Supply Corps from 1795 to the present time.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**History of the U. S. Navy: The Civil War, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.
19 min., sd., color, 16 mm.
Order no. FN 6943-e.
*Summary:* Traces the most significant events of the opening years of the Civil War, 1861-62, after comparing the resources of both sides, and explains the basic naval strategy. Major events portrayed include the Monitor-Merrimack combat, the tightening blockade, the Battle of New Orleans, and joint Army-Navy operations on the coast and in inland waters.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**History of the U. S. Navy: The Civil War, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.
20 min., sd., color, 16 mm.
Order no. FN 6943-f.
*Summary:* Traces the significant naval events of the Civil War from the end of 1862 to the close of the war.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Hit the beach** (*Motion picture*) U. S. Dept. of the Army, 1950.
18 min., sd., b&w, 16 mm.
Order no. MF 31-7727.
*Summary:* Film record of operation MIKI, the joint Army-Navy rehearsal maneuvers in October 1949 on the Island of Oahu in Hawaii.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Hobbing a helical gear: Two cuts, nondifferential method** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 5)
Order no. OE 235.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to set up the change gears: adjust the swivel head to cut on the helix angle; set up the machine for the rough cut; and re-align hob and gear teeth.
*Buy from* UWF.

**Hobbing a helical gear, two cuts; nondifferential method** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
51 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 5)
Order no. OE 235-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Hobbing a spur gear. Part 1: Setting up the change gears** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 1)
Order no. OE 231.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* Selection of the hob; how to select change-gear combinations for speed, feed, and index; identify the correct gears; mount the change gears; adjust for backlash; and how the change-gear trains are interrelated.
*Buy from* UWF.

**Hobbing a spur gear. Part 1: Setting up the change gears** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
48 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 1)
Order no. OE 231-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Hobbing a spur gear. Part 2: Setting up and hobbing the work** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
24 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 2)
Order no. OE 232.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to select and mount the hob; set the swivel head angle; choose and mount the fixture; load the gear blanks; set up for depth of trail cut; and adjust for full depth of cut.
*Buy from* UWF.

**Hobbing a spur gear. Part 2: Setting up and hobbing the work** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
49 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 2)
Order no. OE 232-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Hobbing a square tooth spline shaft** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 3)
Order no. OE 233.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to change hob arbors; centralize the hob with the centering gage; mount the center-type fixture and the top adjustable center; use a driving dog in mounting the spline shaft blank; set up for the trial cut; and take full depth of cut.
*Buy from* UWF.

**Hobbing a square tooth spline shaft** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
45 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 3)
Order no. OE 233-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Hobbing a worm gear: Infeed method** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 4)
Order no OE 234.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* Angle at which to set the swivel head; how to calculate and adjust the height of the hob arbor; engage horizontal feed; centralize the hob; and cut to a center distance.
*Buy from* UWF.

**Hobbing a worm gear: Infeed method** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.
35 fr., b&w, 35 mm. (Machine shop work series. Operations on the gear hobbing machine, no. 4)
Order no. OE 234-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Hog cholera [and] African swine fever: A comparison** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
23 min., sd., color, 16 mm.
*Summary:* Shows the autopsy of several swine affected with hog cholera and some of the characteristic lesions and pathologic changes of the organs and tissues associated with hog cholera. Compares similarities and differences in the pathology of hog cholera and of African swine fever, often called wart-hog disease. Primarily for veterinarians and veterinary students.
*Rent from* DA film libraries.

**Hog houses and equipment** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
30 fr., b&w, 35 mm.
Order no. 53.
With lecture notes.
*Summary:* Illustrations of A-type and box-type houses, loading chutes, feeders, dipping vat, waterer, concrete wallow, and other equipment.
*Buy from* PhotoLab.

**Holloman: Frontier of the future** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
30 min., sd., color, 16 mm.
Order no. SFP 396.
*Summary:* Depicts the Air Force advancement in missile technology at Hollowman Air Development Center, and explains how the center deals with research and development of missiles and upper air explorations.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The hollow coin** (*Motion picture*) U. S. Dept. of the Army, 1960.
15 min., sd., b&w, 16 mm.
Order no. MF 30-9259.
*Summary:* Factual report of an actual case of espionage against the United States. Documents the capture and trial of Colonel Rudolf I. Abel, professional Soviet spy, and points out that industrial and technical workers were the prime targets for Abel's information. Outlines the objectives of the Department of Defense security program, underscoring the responsibility of the individual worker to maintain security.
*Borrow from* Army. *Buy from* UWF.

**Home buying** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 11)
*Summary:* Presents the story of a typical American couple of Columbus, Ohio, in the search for a place to live, and their ability to buy a home through the American credit system and installment buying. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Home demonstration membership studies** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.
22 double fr., color, 35 mm.
Order no. C-72.
*Summary:* Discusses the characteristics of home demonstration club members, including their economic and educational levels, their interests, family problems, and needs.
*Buy from* PhotoLab.

**Home-grown food; production, preservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
64 fr., b&w, 35 mm.
Order no. 663.
With lecture notes.
*Summary:* Explains how farm and urban families have increased food production and preservation.
*Buy from* PhotoLab.

**Home grown plants for transplanting** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
37 fr., b&w, 35 mm.
Order no. 656.
With lecture notes.
*Summary:* Shows how to grow plants in the home for setting out in the garden.
*Buy from* PhotoLab.

**Home on the range** (*Motion picture*) U. S. Dept. of Agriculture, 1946.
9 min., sd., b&w, 16 mm.
Revision of the film of the same title released in 1942 through U. S. Office of War Information.
*Summary:* Portrays the western range country, ranch life, and the grazing of cattle.
*Rent from* DA film libraries. *Buy from* UWF.

**Home safety and health departments** (*Filmstrip*) U. S. Public Health Service, 1949.
91 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. 5-118.
*Summary:* Stresses the importance of safety in the home and mentions ways in which health department personnel can promote home safety.
*Borrow from* PHS. *Buy from* UWF.

**Homecoming airlift** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
10 min., sd., b&w, 16 mm.
Order no. SFP 307.
*Summary:* Describes the repatriation of the first groups of American prisoners of war and their return home from Korea to Japan to Travis Air Force Base in California.
*Borrow from* AF. *Cleared for tv.*

**Homemaking in colonial days** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
64 fr., b&w, 35 mm.
Order no. 555.
With lecture notes.
*Summary:* Shows early American home interiors, furniture, and utensils; and in contrast, modern home conveniences.
*Buy from* PhotoLab.

**Honest John** (*Motion picture*) U. S. Dept. of the Army, 1960.
4 min., sd., color, 16 mm.
Order no. MF 45-9514.
*Summary:* Describes the features, capability, and test firing of the Honest John rocket—a free flight rocket designed for close support forward operations and as a field artillery weapon. Depicts phases in the test firing, including the assembly of rocket, the towing and placement of the rocket on a self-propelled launcher, the actual firing, and the rocket in flight.
*Borrow from* Army. *Cleared for tv.*

**Hookworm disease and hookworm infection** (*Filmstrip*) U. S. Public Health Service, 1948.
77 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5-073.
*Summary:* Gives a general explanation of the history, diagnosis, treatment, and prevention of hookworm disease.
*Borrow from* PHS.

**Hoover Dam** (*Motion picture*) U. S. Bureau of Reclamation, 1937.
35 min., sd., b&w, 16 mm.
Silent version with the same title also released in 1937.
*Summary:* Film record of the construction of Hoover Dam. Primarily for engineers.
*Borrow from* BR.

**Hoover Dam** (*Motion picture*) U. S. Bureau of Reclamation, 1937.
40 min., si. at sd. speed, b&w, 16 mm.
Sound version with the same title also released in 1937.
*Summary:* Film record of the construction of Hoover Dam. Primarily for engineers.
*Borrow from* BR.

**Hoover Dam** (*Motion picture*) U. S. Dept. of State, 1949. Made by Simmel-Meservey. Released for educational use in the United States through U. S. Office of Education, 1950.
33 min., sd., b&w, 16 mm.
*Summary:* Reviews the building of Hoover Dam and explains its values in furnishing irrigation water and electric power to the people in the southwestern United States. Prepared for overseas use.
*Buy from* UWF.

**Horizons of syphilis** (*Filmstrip*) U. S. Public Health Service, 1949.
80 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5-086.
*Summary:* Explains through drawings and statistical charts the most common ways in which syphilis, if untreated, affects man.
*Borrow from* PHS.

**Horse sense** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
23 min., sd., color, 16 mm.
*Summary:* How to mount, ride, and care for a horse. Prepared for the training of new U. S. Forest Service employees.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Horseshoeing** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
19 min., sd., b&w, 16 mm. (Farm work series. Livestock, no. 2)
Order no. OE 458
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to handle a horse during shoeing; prepare the feet; select, fit, and nail on shoes; take off shoes; and tighten old shoes on a horse.
*Buy from* UWF.

**Horseshoeing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
41 fr., b&w, 35 mm. (Farm work series. Livestock, no. 2)
Order no. OE 458–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**La hortaliza en casa** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of Better eating.
*Summary:* Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.
*Buy from* UWF. *Cleared for tv.*

**Hortas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.
7 min., sd., color, 16 mm.
Portuguese version of Better eating.
*Summary:* Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.
*Buy from* UWF. *Cleared for tv.*

**Hospital afloat** (*Motion picture*) U. S. Dept. of the Navy, 1952.
12 min., sd., b&w, 16 mm.
Order no. MN 7371.
*Summary:* Documentary film record of a marine who is wounded in action in Korea. Shows treatment on the battlefield, an operation aboard a Navy hospital ship, and the recovery of the wounded man.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Hospital food service personnel training. Part 1: Introduction** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through the U. S. Office of Education.
16 min., sd., b&w, 16 mm.
Order no. TF 8–1841.
Revision of the 1951 film with same title (order no. TF 8–1575)
*Summary:* Shows the departments, equipment, menu planning, and food preparation procedures typical of hospital food service.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Hospital food service personnel training. Part 2: The individual** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
13 min., sd., b&w, 16 mm.
Order no. TF 8–1576.
*Summary:* Ways to prevent communicable diseases associated with improper food handling; health, cleanliness, personal appearance, and sanitary work habits.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Hospital food service personnel training. Part 3: Equipment** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
12 min., sd., b&w, 16 mm.
Order no. TF 8–1577.
*Summary:* How to clean kitchen equipment; loosen, dissolve, and emulsify dirt; rinse and dry equipment; and prevent food poisoning.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Hospital food service personnel training. Part 4: Serving food** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., color, 16 mm.
Order no. TF 8–1578.
*Summary:* Emphasizes principles of good food preparation and service in hospitals—proper temperature, correct quantity, selection of food to meet patient's requirements, and courteous attention by food service personnel.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The hospital of tomorrow** (*Filmstrip*) U. S. Public Health Service, 1948.
53 fr., b&w, 35 mm.
Order no. 5–100.
With script and 13 2 x 2 in. slides.
*Summary:* Explains the need for more and better hospitals in the United States and the provisions of the Hospital survey and construction act of 1946.
*Borrow from* PHS.

**Hospital sanitation** (*Motion picture*) U. S. Dept. of the Army, 1951.
14 min., sd., b&w, 16 mm.
Order no. TF 8–1706.
*Summary:* Describes ways and means to keep wards germ-free, and indicates precautions to take in cleaning contaminated bedding in an isolated ward.
*Borrow from* Army.

**The hospital ward team** (*Motion picture*) U. S. Dept. of the Army, 1955.
23 min., sd., b&w, 16 mm.
Order no. TF 8–1944.
*Summary:* Explains the contributions of the hospital ward team, consisting of the doctor, professional nurse, medical technician, clinical technician, and ward corpsman; and defines the responsibilities of each member of the team, with emphasis on the role of the medical technician. For medical and allied groups.
*Borrow from* Army. *Buy from* UWF.

**Hospital zone: Men at work** (*Filmstrip*) U. S. Veterans Administration, 1948.
75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
*Summary:* Explains the physical medicine and rehabilitation programs in the Veterans Administration Hospital at Dallas, Texas.
*Borrow from* VA.

**A house, a wife, and a singing bird** (*Motion picture*) U. S. Information Agency, 1957. Released for public educational use in the United States through U. S. Office of Education.
30 min., sd., color, 16 mm.
*Summary:* Based on an old Javanese saying that a man's happiness depends upon his having "a horse, a knife, a house, a wife and a singing bird," the film tells the story of a young Indonesian who through hard work succeeds in establishing himself in his society and in contributing his share to the welfare and development of his country. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The house in the middle** (*Motion picture*) **U. S. Federal Civil Defense Administration, 1953. Made by McGeary-Smith Laboratories.**
6 min., sd., b&w, 16 mm.
*Summary:* Shows that in a fire test of the Atomic Energy Commission one out of three small houses (the house in the middle) withstood the fire effects of an atomic explosion because it was free of litter and trash, made of good materials, and properly painted.
*Borrow from* OCDM. *Buy from* DA. *Cleared for tv.*

**Housing in Chile** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

18 min., sd., b&w, 16 mm.

*Summary:* Shows steps being taken in Chile to alleviate the housing problem, and particularly a family in Santiago being moved from the slums to a new housing project.

*Buy from* UWF.

**Hovering flight tests of a four-engine-transport vertical take-off airplane with a large flap and auxiliary vanes for redirecting the propeller slipstream** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

10 min., si., color, 16 mm.

*Summary:* A record of the results of preliminary tests conducted outdoors and in a free-flight tunnel of the stability and flight characteristics in take-offs, landings, and hovering flight of a remotely controlled free-flight model of a concept of a four-engine-transport vertically rising airplane. For technical personnel, to be used with NACA Technical note 3440: Hovering flight tests of a four-engine-transport vertical take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream.

*Borrow from* NASA.

**Hovering-flight tests of a model of a transport vertical-take-off airplane with tilting wing and propellers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

6 min., si., b&w, 16 mm.

*Summary:* A record of the results of an investigation of the take-off, landing, and hovering flight characteristics of a remote-controlled free-flight model of a four-engine vertically-rising transport. Shows how, in order to produce direct lift for hovering flight with the fuselage horizontal, the wings and propellers were rotated 90° relative to the fuselage. For technical personnel, to be used with NACA Technical note 3630: Hovering-flight tests of a model of a transport vertical-take-off airplane with tilting wing and propellers.

*Borrow from* NASA.

**How America shops** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 5)

*Summary:* Describes shopping in the United States, showing actual scenes of discount houses, supermarkets, department stores, and the large suburban shopping centers. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**How an airplane flies, parts 1 and 2** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

26 min., sd., b&w, 16 mm.

Order no. TF 1–4804.

*Summary:* Discusses the principle of the Venturi tube as it applies to the lift. Demonstrates the types of drag and the methods of overcoming them.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**How an airplane flies, parts 3, 4, 5, and 6** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

34 min., sd., b&w, 16 mm.

Order no. TF 1–4805.

*Summary:* Discusses the principles of thrust, forces in balance, stability, and the use of controls.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**How animal life begins** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

9 min., sd., b&w, 16 mm.

Short version, prepared for school use, of the film released in 1937 under title In the beginning, which was a revision of the 1935 silent film released under title Ovulation, fertilization, and early development of the mammalian egg.

*Summary:* Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.

*Rent from* DA film libraries. *Buy from* UWF.

**How disease travels** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Health for the Americas series)

*Summary:* Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

How disease travels
see also
La enfermedad se propaga
Transmissão das doenças

**How free am I?** (*Motion picture*) U. S. Dept. of the Army, 1957.

8 min., sd., b&w, 16 mm.

Order no. TF 16–2512.

*Summary:* Examines the subject of freedom through a dramatization of a soldier insisting upon playing his radio in a barracks when other soldiers are trying to sleep.

*Borrow from* Army.

**How healthy is NATO?** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

39 min., sd., b&w, 16 mm.

Order no. WA 4.

*Summary:* General Alfred M. Gruenther discusses with members of the National War College the political and military strength of NATO—air defense, nuclear weapons, Germany's contribution, problems of member nations, feasibility of expansion to the Middle East, and Soviet reaction. Ernest K. Lindley acts as moderator.

*Borrow from* Army. *Cleared for tv.*

**How magnets produce electricity** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

4 min., sd., b&w, 16 mm. (Basic electricity series)

Oder no. MN 8016–b.

*Summary:* Shows the use of a magnet field as it affects a single atom, a group of atoms as in a wire, and a wire in a closed circuit with a meter.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

How the patient may affect the attendant
see Your job and the psychiatric patient. Part 2: How the patient may affect the attendant

**How to check and surface foundations** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 1)

Order no. OE 95.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to check the location of machinery foundations to blueprint specifications; align and level foundations; and surface or smooth foundations.

*Buy from* UWF.

**How to check and surface foundations** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

35 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 1)

Order no. OE 95–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**How to conduct a meeting** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

*Summary:* Shows the proper procedures of parliamentary law to be followed in conducting a meeting so that the decisions will be representative of the majority. Prepared for use in occupied areas.

*Buy from* UWF.

How to form aluminum series
see
Blanking and piercing
Drawing, stretching, and stamping
Spinning
Tube and shape bending

**How to get along in a foreign country** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
16 min., sd., b&w, 16 mm.
Order no. AFIF 44.
*Summary:* Stresses the importance of the behavior of U. S. military personnel stationed in foreign countries.
*Borrow from* Army. *Cleared for tv.*

**How to get along in France** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
30 min., sd., b&w, 16 mm.
Order no. AFIF 40.
*Summary:* Explains the antagonistic reactions of the French to American soldiers as being staged by the Communist Party; portrays details of French family life, customs, government, and politics; and emphasizes that American servicemen must learn and adapt themselves to the French ways of living. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**How to live with an Air Force contract** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
19 min., sd., color, 16 mm.
Order no. SFP 404.
*Summary:* Explains the AMC field procurement and production mission as a small manufacturing concern is awarded its first Air Force contract, and shows how specialists in the field of production visit the company to assist in solving problems and completing the contract.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**How to machine aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.
32 min., sd., b&w, 16 mm.
Order no. 194.
*Summary:* Discusses different alloys of cast and wrought aluminum; the use of hand tools and the metals best suited for such tools; cutting compounds; the importance to the top, back, and side rake; clearance and cutting angles of machine tools; and the different uses of various machine tools.
*Borrow from* BM. *Cleared for tv.*

**How to measure daylight obstruction** (*Filmstrip*) U. S. Public Health Service, 1957.
68 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. F 275.
*Summary:* Outlines the basic steps and procedures for measuring daylight obstruction in housing-quality surveys and sets forth five aspects: window size and length, height of reported structure, height of adjacent structures, distance of adjacent structures, and the horizontal obstruction factor. Designed primarily for housing consultants.
*Borrow from* PHS.

**How to measure deterioration in dwellings** (*Filmstrip*) U. S. Public Health Service, 1949.
92 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5-131.
*Summary:* Explains various types of deterioration found in dwellings and methods of judging and measuring such deterioration accurately, objectively, and uniformly.
*Borrow from* PHS. *Buy from* UWF.

**How to observe nursing activities, part 1** (*Motion picture*) U. S. Public Health Service, 1960.
14 min., sd., b&w, 16 mm.
Order no. FG 315.
With manual.
*Summary:* A filmograph. A two-part film to be used as an aid in planning nursing activity observation. Shows activities which are routine and easily identified.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**How to observe nursing activities, part 2** (*Motion picture*) U. S. Public Health Service, 1960.
10 min., sd., b&w, 16 mm.
Order no. FG 315.
With manual.
*Summary:* A filmograph. A two-part film to be used as an aid in planning nursing activity observation. Depicts situations involving activities which are complicated or difficult to code.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**How to operate the Army 16mm sound projector set** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
31 min., sd., b&w, 16 mm.
Order no. TF 11-1752.
*Summary:* Demonstrates and explains the operation of a 16 mm. motion picture projector.
*Borrow from* Army. *Buy from* UWF.

**How to remove and reinstall radio equipment** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1951.
46 fr., b&w, 35 mm.
Order no. SN 656.
*Summary:* Demonstrates removal and installation of the LM-RU-GF-DU radio equipment.
*Borrow from* Navy. *Buy from* UWF.

**How to rivet aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.
27 min., sd., b&w, 16 mm.
Order no. 195.
*Summary:* Shows different types of rivets: riveting by hand, pneumatic hammers, and squeeze riveters; use of the buck-up set or dolly; blind riveting; and the removal of defective rivets.
*Borrow from* BM. *Cleared for tv.*

**How to take an audiometer test** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
7 min., sd., b&w, 16 mm.
Order no. FTA 261.
*Summary:* Illustrates in detail the operation of the ARJ-3 automatic audiometer and the proper method of taking an audiometer test.
*Borrow from* AF.

**How to use cold weather clothing** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
14 min., sd., color, 16 mm.
Order no. FG 10-21.
*Summary:* Explains briefly the physiological aspects of body heat, and describes in detail the types of clothing to be used by soldiers in avoiding injuries due to cold under various climatic conditions.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**How to use navigational aids** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., color, 16 mm. (Aids to navigation series)
Order no. MN 202-ac.
*Summary:* Explains how to use navigational aids and interpret the symbols on nautical charts.
*Borrow from* Navy. *Buy from* UWF.

How to weld aluminum series
see
Resistance welding
Torch welding

**The human body** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
*Summary:* Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

The human body
see also
O corpo humano
El cuerpo humano

**Hungarian fight for freedom** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.
11 min., sd., b&w, 16 mm.
*Summary:* Scenes of the 1956 revolt of the Hungarian people in Budapest, its suppression by the Soviet Army, and demonstrations of sympathy in various cities throughout the world. Prepared for overseas use.
*Buy from* UWF.

**Hunting the puma** (*Motion picture*) U. S. Fish and Wildlife Service, 1950.
15 min., sd., color, 16 mm.
*Summary:* An account of a mountain lion hunt showing the capture of a young lion and the treeing and shooting of a large stock-killing lion. Explains the need for controlling the number of predatory pumas.
*Borrow from* FWS. *Cleared for tv.*

**Hurricane circuit** (*Motion picture*) U. S. Dept. of State, 1949. Made by Knickerbocker Productions. Released for educational use in the United States through U. S. Office of Education, 1950.
23 min., sd., b&w, 16 mm.
*Summary:* Traces the path of a hurricane through the Caribbean and the Gulf of Mexico, and explains the work of the U. S. Weather Bureau in predicting the course of the hurricane and issuing precautionary and emergency storm warnings. Shows in animation the nature of hurricanes. Prepared for overseas use.
*Buy from* UWF.

Hurricane circuit
see also
Operation Hurricane

**Hurricane hunters** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
15 min., sd., b&w, 16 mm.
Order no. SFP 277.
*Summary:* Shows weathermen flying into the center of a hurricane to measure its force and plot its direction, and explains how such information is used by weather forecasters in issuing hurricane warnings.
*Borrow from* AF. *Cleared for tv.*

**Hurricane hunters** (*Motion picture*) U. S. Dept. of the Navy, 1956.
14 min., sd., b&w, 16 mm.
Order no. MN 8339.
*Summary:* Describes the hurricane hunting activities of Airborne Early Warning Squadron Four.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Hurricane watch** (*Motion picture*) U. S. Weather Bureau, 1956. Made by U. S. Dept. of Agriculture.
15 min., sd., b&w, 16 mm.
*Summary:* Describes methods used in locating and tracking hurricanes; explains the meanings of "hurricane watch" and "hurricane warning"; tells how hurricane information is disseminated; and shows safety precautions for individuals to minimize loss of life and property during a hurricane. Includes scenes of past hurricanes and the resulting damage from high winds and water.
*Borrow from* WB. *Buy from* UWF. *Cleared for tv.*

**Hybrid onions** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
4 min., sd., b&w, 16 mm.
*Summary:* Presents an interview with Dr. Henry A. Jones of the Agricultural Research Center, on the techniques used in developing new hybrid onions. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

Hydramatic transmission series
see
The fluid coupling, principles of operation
Hydraulic controls in the hydramatic transmission

**The hydraulic brake system** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.
12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 7)
Order no. OE 483.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to check brake pedal travel; examine the brake lining; adjust the brake shoes; and inspect and adjust the hydraulic brake fluid system.
*Buy from* UWF.

**The hydraulic brake system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.
35 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 7)
Order no. OE 483–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Hydraulic brakes: Principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
24 min., sd., b&w, 16 mm.
Order no. TF 9–2065.
*Summary:* Explains the principles and operation of hydraulic brakes and the advantages of liquid linkage.
*Borrow from* Army. *Buy from* UWF.

**Hydraulic controls in the hydramatic transmission** (*Motion picture*) U. S. Dept. of the Army, 1955.
26 min., sd., b&w, 16 mm. (Hydraulic transmission series)
Order no. TF 9–1992.
Revision of the 1943 film with the title Theory and principles of operation, automatic shifting unit.
*Summary:* Explains and demonstrates the basic shifting patterns in hydramatic transmission. Using animated sequences, demonstration models, and live action, shows how hydraulic controls are applied in each phase of up-shifting and down-shifting.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Hydraulic dredging** (*Motion picture*) U. S. Public Health Service, 1947.
5 min., sd., color, 16 mm.
Order no. 4–044.
*Summary:* Contrasts clear lakes with those choked with vegetation or mud, in the same Florida locality; shows how to convert marshes into clear lakes with the use of hydraulic dredge. Consists of still pictures and drawings.
*Borrow from* PHS. *Buy from* Byrom.

**Hydraulic mechanisms** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.
50 fr., b&w, 35 mm.
Order no. SN 111.
*Summary:* Explains the principles of a hydraulic system; shows the three types of pumps and the pressure control type of relief valve which are used in hydraulic systems, and explains their operation.
*Borrow from* Navy.

**Hydraulic steering, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1956.
14 min., sd., b&w, 16 mm.
Order no. TF 9-2254.
*Summary:* Explains the operating principles of the hydraulic steering assist mechanism by illustrating the functions of its major components: reservoir, pump, relief valve, control valve, and power cylinder; and shows how these components, acting on the principle of pressure differential, deliver the steering assist.
*Borrow from* Army. *Buy from* UWF. *Cleared for tr.*

**Hydraulic struts** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
37 fr., b&w, 35 mm.
Order no. SN 2792.
*Summary:* Explains the principles of operation of hydraulic struts and indicates briefly their uses and importance.
*Borrow from* Navy.

Hydraulic valves series
see
Directional valves
Introduction to valves
Methods of operating valves
Simple valves

**Hydrofoil craft: Principles and representative experimental craft** (*Motion picture*) U. S. Dept. of the Navy, 1956.
9 min., sd., color, 16 mm.
Order no. MN 8391.
*Summary:* Shows the principles of hydrofoil and describes the Navy's research and development program.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tr.*

Hydrographic surveying operations of the Navy series
see
Establishing primary survey control points
Secondary survey, control points, and hydrographic developments

**Hydrography for charting: Position fixing** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.
12 min., sd., color, 16 mm.
Order no. MN 7337–a.
*Summary:* Describes the theory and practice of determining a vessel's position by three methods of hydrographic surveying—three point fix, radar ranging, and hyperbolic radio interference grids.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tr.*

**Hydrography for charting: Sounding and dragging** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.
12 min., sd., color, 16 mm.
Order no. MN 7337–b.
*Summary:* Describes methods of determining the depth of water and the instrumentation required. Also explains the equipment and techniques employed in wire dragging to guarantee obstruction-free depth of water.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tr.*

**Hydrotherapy** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
22 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 410.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to administer sedative baths, wet-sheet packs, tonic showers, douches, and sprays; special types of therapeutic baths; rehabilitation hydrotherapy in the Hubbard bath and rehabilitation pool; and physiological effects of hydrotherapy upon the body.
*Buy from* UWF.

**Hydrotherapy** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
55 fr., b&w, 35 mm. (Nursing series)
Order no. OE 410–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Hydrotherapy procedures for the neuropsychiatric patient** (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.
22 min., sd., b&w, 16 mm.
*Summary:* Demonstrates hydrotherapy procedures (including tubs, packs, and showers) for desired results of sedation and stimulation. Emphasizes the importance of care in the handling of a patient with mental illness, and the importance of good relationships between the patient and the physical therapist.
*Borrow from* VA. *Buy from* UWF.

[**Hymn of the nations**] (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.
28 min., sd., b&w, 16 mm.
*Summary:* Arturo Toscanini conducts the NBC Symphony Orchestra in a radio broadcast of Verdi's overture to "Forza del Destino"; the narrator recounts the contributions of Toscanini and other great Italians to democracy; and Toscanini conducts the NBC Symphony, the Westminster Choir, and Jan Peerce in a radio broadcast of Verdi's "Hymn of the Nations."
*Buy from* UWF.

**The hypodermic syringe** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.
95 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Infectious hazards of bacteriological techniques, no. 2)
Order no. F 57–c.
*Summary:* Shows and explains ways of avoiding hypodermic syringe techniques which may liberate dangerous aerosols from cultures of infectious organisms.
*Borrow from* PHS. *Buy from* UWF.

# I

**I & E screen magazine, no. 552** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
13 min., sd., b&w, 16 mm.
Order no. AFSM 552.
*Summary:* Depicts the work of Mathew Brady, the country's first combat photographer and pioneer in the art of photography. Presents his pictorial record of the life and training of the soldier and the tactics, communications, equipment, and weapons employed during the Civil War.
*Borrow from* Army. *Cleared for tv.*

**I & E screen magazine, no. 553** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 553.
*Contents:* What's new in the service, the helmet radio and flood control.—The code posters.—The most famous picture.
*Borrow from* Army. *Cleared for tv.*

**I & E screen magazine, no. 554** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
New edition deleting sequence, Atomic radiation preserves food.
Order no. AFSM 554.
*Contents:* What's new in the service, Army flag.—Sea legs for sub sailors.—Vanguard.
*Borrow from* Army. *Cleared for tv.*

**I & E screen magazine, no. 556** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
18 min., sd., b&w, 16 mm.
Order no. AFSM 556.
*Contents:* Operation farside.—The boys from planet Φ.—New undersea escape method.—A report to the Armed Forces.—Payraise bill opens new horizon.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 558** (*Motion picture*) U. S. Dept. of Defense, 1958.
12 min., sd., b&w, 16 mm.
New edition deleting sequence, Food atomic style.
Order no. AFSM 558.
*Contents.*—Freedom foundation awards.—Tree snow test.—Navy's rat.—Have ball will orbit.—The boys from planet Φ.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 560** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFSM 560.
*Contents:* South Pole party sees light.—Bob and Jane wow airmen.—Brussels Fair.—These honored dead.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 561** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 561.
*Contents:* Last of the battleships.—The boys from planet Φ.—Explorer.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 562** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 562.
*Contents:* New Army rifle.—"Sea Legs."—Inflatoplane.—IGY.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 563** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFSM 563.
*Contents:* Under the top of the world.—Tale of a horse.—A look at your exchange.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 564** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 564.
*Contents:* Going up.—U. S. Army Engineers.—Inverterplane.—It pays to stay in.—A pictorial history of the U. S. Cavalry.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 565** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 565.
*Contents:* A salute to Civil Service.—Suited for space.—Regulus in action.—In and out of orbit.—Army crafts.—Hong Kong.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 5[illegible]6** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 566.
*Contents:* Mitchell College.—Missile recovery.—A date with liberty.—Submarine.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 570** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFSM 570.
*Contents:* What's new in the service.—A date with liberty.—The last place on earth.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 571** (*Motion picture*) U. S. Dept. of Defense, 1959.
20 min., sd., b&w, 16 mm.
Order no. AFSM 571.
*Contents:* What's new in the service.—A date with liberty.—North of 53.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 572** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 572.
*Contents:* The pentadome.—Frogmen.—Air Force items.—A date with liberty.—Sylvanus Thayer.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 573** (*Motion picture*) U. S. Dept. of Defense, 1959.
17 min., sd., b&w, 16 mm.
Order no. AFSM 573.
*Contents:* Quartermaster air drop.—Thor missile.—Remote control 'copter.—U. S. Air Forces in Spain.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 574** (*Motion picture*) U. S. Dept. of Defense, 1959.
18 min., sd., b&w, 16 mm.
Order no. AFSM 574.
*Contents:* Operation Fishook.—Mobile ditch digger.—World Congress of Flight.—Russian-American track meet.
*Borrow from Army.*

**I & E screen magazine, no. 575** (*Motion picture*) U. S. Dept. of Defense, 1959.
21 min., sd., b&w, 16 mm.
Order no. AFSM 575.
*Contents:* Third Pan-American Games, 1959.—Veterans Day.
*Borrow from Army. Cleared for tv.*

**I & E screen magazine, no. 576** (*Motion picture*) U. S. Dept. of Defense, 1959.
21 min., sd., b&w, 16 mm.
Order no. AFSM 576.
*Contents:* 1959 World Series.—Shakedown.
*Borrow from Army.*

**I & E screen magazine, no. 577** (*Motion picture*) U. S. Dept. of Defense, 1960.
19 min., sd., b&w, 16 mm.
Order no. AFSM 577.
*Contents:* Pararescue team competition.—Arctic snow camp.—One-man guided missile.—Thor nose cone test.—Narrow-gauge landing aid.—Istanbul air show.—Army vs. Air Force, 1959.
*Borrow from Army.*

**I & E screen magazine, no. 578** (*Motion picture*) U. S. Dept. of Defense, 1960.
21 min., sd., b&w, 16 mm.
Order no. AFSM 578.
*Contents:* Navy Skimmer.—Robot target.—Space suit "Heatniks."—Missile-mail.—Whirly birds with big muscles.—Army-Navy football game, 1959.
*Borrow from Army. Cleared for tv.*

**I & E sportsreel, no. 200** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
34 min., sd., b&w, 16 mm.
Order no. AFIF 200.
*Summary:* Highlights of major sports events of 1955.
*Borrow from Army.*

**I & E sportsreel, no. 201** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

35 min., sd., b&w, 16 mm.

Order no. AFIF 201.

*Summary:* Scenes of various sports events of 1955.

*Borrow from* Army.

**I & E sportsreel, no. 202** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

33 min., sd., b&w, 16 mm.

Order no. AFIF 202.

*Summary:* Scenes of various sports events of 1955–56.

*Borrow from* Army.

**I & E sportsreel, no. 203** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

30 min., sd., b&w, 16 mm.

Order no. AFIF 203.

*Summary:* Scenes of various sports events of 1956.

*Borrow from* Army.

**I & E sportsreel, no. 204** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

31 min., sd., b&w, 16 mm.

Order no. AFIF 204.

*Summary:* Scenes of various sports events of 1956.

*Borrow from* Army.

**I & E sportsreel, no. 205** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFIF 205.

*Summary:* Scenes of 1956 sports events.

*Borrow from* Army.

**I & E sportsreel, no. 206** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFIF 206.

*Summary:* Scenes of various sports events, including a Berlin track meet, speedboat championships on Lake Quinsigamond, model plane competitions, old-timer cars in a 1-mile race at Wilkes-Barre, Pa., national AAU swimming and high diving championships, and harness racing at Goshen, N. Y.

*Borrow from* Army.

**I & E sportsreel, no. 207** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFIF 207.

*Summary:* Scenes of various sports events, including the tennis championship matches at Forest Hills; women Olympic stars competing in hurdles, broad jump, sprints, javelin, and shot put events; interviews with the Army, Navy, and Air Force football coaches; and speedboat races on the Detroit River.

*Borrow from* Army.

**I & E sportsreel, no. 208** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army

20 min., sd., b&w, 16 mm.

Order no. AFIF 208.

*Summary:* Scenes of a football game between the Air Force Academy and the University of San Diego; featherweight and light middleweight championship bouts held at Camp Lejeune, N. C.; and the 1956 World Series between the N. Y. Yankees and the Brooklyn Dodgers.

*Borrow from* Army.

**I & E sportsreel, no. 211** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFIF 21

*Summary:* Scenes of sports events, including the training of racing dogs, ice skating barrel jump, European handball, a rodeo in Texas, and lady wrestlers from France and Canada.

*Borrow from* Army.

**I & E sportsreel, no. 212** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFIF 212.

*Summary:* Scenes of various sports events, including North Carolina-Duke University basketball game; stock car race at Daytona Beach, Florida; hockey match; New York Daily News Golden Gloves boxing bouts; French and German teams playing handball European style; and winter carnival events in Minnesota and the European Alps.

*Borrow from* Army.

**I & E sportsreel, no. 213** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFIF 213.

*Summary:* Scenes of various sports events, including an internation ski meet in Vermont, women's world figure skating in Colorado, Air Force boxing bouts, highlights of the International Military Ski Patrol meet at Andermatt in the Swiss Alps, and basketball trick shots as played by the Arthur Murray girls team.

*Borrow from* Army.

**I & E sportsreel, no. 215** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFIF 215.

*Summary:* Scenes of various sports events, including North Carolina and Kansas competing for the NCAA basketball championship; Boston playing St. Louis for the professional basketball championship; the Masters' Golf Tournament at Augusta, Ga.; 6-day bicycle races in Chicago; NCAA gymnastic championships in such events as rope climbing, tumbling, flying ring, and parallel bars; and a hockey match between the Montreal Canadiens and the Boston Bruins.

*Borrow from* Army.

**I & E sportsreel, no. 216** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

24 min., sd., b&w, 16 mm.

Order no. AFIF 216.

*Summary:* Scenes of various sports events, including horsemanship, swimming, and fencing at Fort Sam Houston, Texas; the 83rd Kentucky Derby; British soccer at Wembley Stadium; and the 61st Boston marathon run.

*Borrow from* Army.

**I & E sportsreel, no. 217** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFIF 217.

*Contents:* World record pole vault.—A dog's life.—Wimbledon tennis.—Heel and toe.—U. S. open.—Pennant fever.—All-star game.

*Borrow from* Army.

**I & E sportsreel, no. 218** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFIF 218.

*Summary:* Scenes of various sports events, including Derek Ibbotson running the mile race in 3 minutes, 57 and 2/10ths seconds; Joe Gonzales defeating Lou Hoad in tennis; the national AAU swimming meet in Philadelphia; and a pentathlon competition in Sweden between Army teams of the U. S., Sweden, Finland, and Italy.

*Borrow from* Army.

**I & E sportsreel, no. 219** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFIF 219.

*Contents:* National tennis.—Boys' baseball.—Inter-service golf.—All Navy softball.—National shoot.—Hambletonian.—Manhattan marathon.—AAU divers.

*Borrow from* Army.

**I & E sportsreel, no. 220** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

21 min., sd., b&w, 16 mm.

Order no. AFIF 220.

*Contents:* Football.—Farewell to Giants.—World Series.

*Borrow from* Army.

**I & E sportsreel, no. 221** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 221.
*Contents:* Campbell sets speed record.—Japan's big sport week.—Japan's world series.—Climax on the turf.—Football highlights.
*Borrow from* Army.

**I & E sportsreel, no. 222** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFIF 222.
*Summary:* Depicts Army-Navy football, including pre-season training, pre-game rally activities at West Point and Annapolis, the traditional Army-Navy game played in Philadelphia in 1957 with Navy winning 14-0, and some of the earlier games of the season played by Army and Navy against other teams, showing the development of their individual styles of play.
*Borrow from* Army.

**I & E sportsreel, no. 223** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 223.
*Contents:* Lions win pro title.—Mat mugs.—Tar Heels halted.—Brown KO's Lopes.—Football bowls.
*Borrow from* Army.

**I & E sportsreel, no. 224** (*Motion picture*) U. S. Dept. of Defense, 1958.
20 min., sd., b&w, 16 mm.
Order no. AFIF 224.
*Contents:* Golden gloves.—All American basketeers.—Wrong way king pins.—Bad break for Campy.—Winter sports.—Pay raise bill opens new horizons.
*Borrow from* Army.

**I & E sportsreel, no. 225** (*Motion picture*) U. S. Dept. of Defense, [illegible]8.
20 min., sd., b&w, 16 mm.
Order no. AFIF 225.
*Contents:* Baseball in the air.—National League.—The boys from planet Φ.—Meet Silky Sullivan.
*Borrow from* Army.

**I & E sportsreel, no. 226** (*Motion picture*) U. S. Dept. of Defense, 1958.
21 min., sd., b&w, 16 mm.
Order no. AFIF 226.
*Contents:* Last ski jump.—Bowling.—Moppet maulers.—Master's golf.—The boys from planet Φ.—Indoor sports.—Baseball.
*Borrow from* Army.

**I & E sportsreel, no. 227** (*Motion picture*) U. S. Dept. of Defense, 1958.
20 min., sd., b&w, 16 mm.
Order no. AFIF 227.
*Contents:* Kentucky Derby. — Service sports. — Russian strong men.—Penn relays.—Buzz bikes run wild.—Stan the man.
*Borrow from* Army.

**I & E sportsreel, no. 228** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
21 min., sd., b&w, 16 mm.
Order no. AFIF 228.
*Contents:* Crack up in "500"—Meeting of milers.—Heavy seas for yachts.—The boys from planet Φ.—Tim Tam beaten.—Baseball.—Bike racing.—Open golf.
*Borrow from* Army.

**I & E sportsreel, no. 229** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
[illegible]0 min., sd., b&w, 16 mm.
Order no. AFIF 229.
*Contents:* All-star game.—A. A. U. track.—The boys from planet Φ.—Tennis thrills.—Racing, town and country.—Cut 'n shoot fighting man.
*Borrow from* Army.

**I & E sportsreel, no. 230** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
22 min., sd., b&w, 16 mm.
Order no. AFIF 230.
*Contents:* Mile record falls again.—PGA golf.—Battling the bulls.—Old timers baseball.—Service sports.—The boys from planet Φ.—Retriever training.—Gold cup.
*Borrow from* Army.

**I & E sportsreel, no. 231** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 231.
*Contents:* National tennis.—Little league.—Tale of a trotter.—Polo grounds, what a change.—Service sports.
*Borrow from* Army.

**I & E sportsreel, no. 232** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 232.
*Contents:* World Series.—Tale of a horse.—Globetrotters.—Service football.
*Borrow from* Army.

**I & E sportsreel, no. 233** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 233.
*Summary:* Includes scenes of the running of the International Horse Race at Laurel, Md., and of various college and professional football games played in 1958.
*Borrow from* Army.

**I & E sportsreel, no. 234** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 234.
*Contents:* Service football.—In and out of orbit.—Sport spectacular.
*Borrow from* Army.

**I & E sportsreel, no. 235** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 235.
*Contents:* Rose Bowl.—Sugar Bowl.—Cotton Bowl.—In and out of orbit.—Pro title play-off.—Davis cup tennis.—Grid thrills of 1958.
*Borrow from* Army.

**I & E sportsreel, no. 236** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 236.
*Contents:* Winter sports.—Bowling.—In and out of orbit.—Basketball all-stars.—Indoor track.
*Borrow from* Army.

**I & E sportsreel, no. 237** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 237.
*Contents:* Goodbye winter.—The boys from planet Φ.—Hello spring.
*Borrow from* Army.

**I & E sportsreel, no. 238** (*Motion picture*) U. S. Dept. of Defense, 1959.
20 min., sd., b&w, 16 mm.
Order no. AFIF 238.
*Contents:* Basketball finals.—Stanley Cup hockey.—In and out of orbit.—Grand National.—Table tennis.—Boxing.
*Borrow from* Army.

**I & E sportsreel, no. 239** (*Motion picture*) U. S. Dept. of Defense, 1959.
Order no. AFIF 239.
19 min., sd., b&w, 16 mm.
*Contents:* Horse racing.—Alex Olmedo.—Bike racing.—Marathon.—Track.—Killebrew.
*Borrow from* Army.

**I & E sportsreel, no. 240** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 240.
*Contents:* The "500."—Surfing.—Boatnik.—The boys from planet Φ.—Pentathlon.—Horse racing.—Open golf.
*Borrow from* Army.

**ILS: Instrument landing system** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
17 min., sd., color, 16 mm.
Order no. TF 1–5016.
*Summary:* Shows various phases of the instrument landing system and emphasizes its importance in landing aircraft safely.
*Borrow from* AF. *Cleared for tv.*

**Ice breaker** (*Motion picture*) U. S. Dept. of the Navy, 1952.
14 min., sd., b&w, 16 mm.
Order no. MN 7336.
*Summary:* Record of the annual cruise of a Navy ice breaker from San Diego to Alaska and King Island to study ice conditions. Shows the ship in cold weather operations, life aboard ship during the cruise, and the crew's visit with natives of King Island.
*Borrow from* Navy. *Cleared for tv.*

**Ice cap drilling** (*Motion picture*) U. S. Army Engineers, 1958.
20 min., sd., color, 16 mm.
*Summary:* Demonstrates drilling operations and shows how ice core samples were obtained from a depth of 1,300 feet from the Greenland ice cap. Explains how these cores are examined for density, texture, stratigraphy, particulates, air-bubble pressure, and other phenomena.
*Borrow from* Eng. *Cleared for tv.*

**Ice formation on aircraft** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
48 min., sd., b&w, 16 mm. (Aerology series)
Order no. MN 119–a.
*Summary:* Shows processes of ice formation and effects of ice on aircraft, and explains how wing ice, ice in the Pitot tube, ice on the propeller, and ice in the carburetor become flying hazards.
*Contents:* 1. How and where ice forms.—2. Review.
*Borrow from* Navy.

**Ice tunnel** (*Motion picture*) U. S. Army Engineers, 1958.
20 min., sd., color, 16 mm.
*Summary:* Shows methods of digging an ice tunnel into the edge of the Greenland ice cap in the summer of 1957. Describes some of the purposes of constructing the tunnel.
*Borrow from* Eng. *Cleared for tv.*

**Icecap, I** (*Motion picture*) U. S. Dept. of the Army, 1953.
30 min., sd., b&w, 16 mm.
Order no. FB 55–286.
*Summary:* A record of a 1952 expedition of the U. S. Army Transportation Corps 800 miles across the icecap of Greenland to determine the feasibility of transporting heavy loads over such a route. Pictures the terrain encountered, motorized equipment used, and tests performed; and explains the results of the expedition.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Icecap, II** (*Motion picture*) U. S. Dept. of the Army, 1954.
31 min., sd., b&w, 16 mm.
Order no. MF 55–8245.
*Summary:* Record of a 1953 expedition of the U. S. Army Transportation Corps across the Greenland icecap to study those characteristics of the region which may affect transportation. Shows studies being made of snow and ice formations, geological characteristics, and weather conditions; maps being prepared; and transportation equipment being tested.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Iceland** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
23 min., sd., b&w, 16 mm.
Order no. AFIF 65.
*Summary:* A study of Iceland, covering its historical background; current social, economic, and poliitcal status; and strategic significance in Western defense plans.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Idaho and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with the Richfield Oil Corp., 1956. Made by Norman Wright Productions.
30 min., sd., color, 16 mm.
Order no. 248.
*Summary:* Portrays the scenic attractions, agricultural resources, and mineral industries of Idaho.
*Borrow from* BM. *Cleared for tv.*

**Identification of female anophelines of the United States** (*Filmstrip*) U. S. Public Health Service, 1946.
73 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.
Order no. 5–019.
*Summary:* Explains the distinguishing characteristics of 13 species of anophelines—wing patterns, hind tarsi, palps, wing tip scales, knee spots, and halteres. Includes a test section of 10 pictures.
*Borrow from* PHS.

**Identification of some common fleas** (*Filmstrip*) U. S. Public Health Service, 1952.
59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. F 101.
*Summary:* Explains important structures of the head, thorax, and abdomen used in identifying fleas; family characteristics of four families of fleas (Tungidae, Pulicidae, Ceratophyllidae, and Hystrichopsyllidae); and species characteristics of other fleas of public health importance.
*Borrow from* PHS.

**Identification of some common sucking lice** (*Filmstrip*) U. S. Public Health Service, 1948.
60 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Typhus control series)
Order no. 5–097.
With film guide.
*Summary:* Explains the morphological characteristics used to identify six genera and eight species of the more common lice in the United States. Primarily for entomologists.
*Borrow from* PHS. *Buy from* UWF.

**Identification of some mosquitoes of public health importance** (*Filmstrip*) U. S. Public Health Service, 1952.
56 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. F 95.
Issued also in 42 double frames (order no. S 95) without accompanying disc.
*Summary:* Drawings, with captions, of various species of mosquitoes. The recording explains the system of distinguishing one species from another and of identifying each.
*Borrow from* PHS.

**Identification of South Pacific plants** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
90 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Castaway series)
Order no. SN 2306–d.
*Summary:* Explains how to recognize tropical fruits, plants and trees. Describes various uses to which foliage, fruits, and nuts can be put and whether or not cooking is necessary.
*Borrow from* Navy. *Buy from* UWF.

**Identification of U. S. genera of adult female mosquitoes** (*Filmstrip*) U. S. Public Health Service, 1948.
92 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min.
Order no. 5–015.
*Summary:* Explains the taxonomy of mosquitoes, morphologic characters used in identifying mosquito genera, and characteristics of the different genera.
*Borrow from* PHS.

**Identification of U. S. genera of adult ticks** (*Filmstrip*) U. S. Public Health Service, 1950.
81 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. 5–130.
*Summary:* Explains the morphological characters used in identifying 11 genera of adult ticks occurring in the United States.
*Borrow from* PHS.

**Identification of U. S. genera of mosquito larvae** (*Filmstrip*) U. S. Public Health Service, 1947.

103 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm., 18 min.

Order no. 5-042.

*Summary:* Shows the essential larval characters used in determining genera of the United States mosquito larvae, and explains the basic nomenclature used in larval taxonomy.

*Borrow from* PHS.

**Identification of U. S. species of Anopheles larvae** (*Filmstrip*) U. S. Public Health Service, 1950.

78 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.

Order no. 5-061.

*Summary:* Explains methods of distinguishing *Anopheles* larvae from larvae of other mosquitoes and aquatic insects; and gives a schematic key to differentiate the important characteristics of each species.

*Borrow from* PHS. *Buy from* UWF.

**Identifying and precutting cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 3)

Order no. OE 112.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Characteristics of VCLA cable used in merchant ships; how to compute cable size for identification; and identify and precut cable.

*Buy from* UWF.

**Identifying and precutting cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

26 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 3)

Order no. OE 112-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Identifying pathogens** (*Filmstrip*) U. S. Public Health Service, 1950.

64 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (An introduction to bacteriology series, no. 2)

Order no. 5-175.

*Summary:* Describes various genera of pathogenic bacteria, including *Salmonella*, *Shigella*, *Streptococcus*, *Mycobacterium*, *Brucella*, *Staphylococcus*, and *Clostridium*; and explains laboratory techniques for their identification, including microscopic examination, study of colony growth, study of enzyme action, animal inoculation, and serologic tests.

*Borrow from* PHS. *Buy from* UWF.

**If I were you** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

44 min., sd., b&w, 16 mm.

Order no. TF 1-5209.

*Summary:* Demonstrates basic human relationships through a series of typical situations encountered by an Air Force officer, and illustrates through individual stories the successful application of the role-playing method to real life problems.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Ignition and spark plug** (*Motion picture*) U. S. Army Air Forces, 1944.

12 min., sd., b&w, 16 mm.

Order no. TF 1-4137.

*Summary:* Explains the construction and care of the aircraft spark plug, and analyzes the function of the primary, secondary, breaker, condenser, and distributor.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The ignition system** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

68 fr., b&w, 35 mm.

Order no. SCG 154-g, formerly SG 1690.

*Summary:* Explains the construction and operation of coil, condenser, breaker points, distributor, and spark plugs.

*Buy from* UWF.

**Illinois waterway** (*Motion picture*) U. S. Army Engineers, 1950.

38 min., sd., color, 16 mm.

*Summary:* Explains the importance of the Illinois waterway connecting the Great Lakes at Chicago to the Mississippi River.

*Borrow from* Eng. *Cleared for tv.*

**Immigrants** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

30 min., sd., b&w, 16 mm. (Report from America, no. 13)

*Summary:* Presents the story of a Hungarian family who emigrate to the United States under the sponsorship of a Catholic refugee agency, their experiences in their new country, their adjustments, and what this country means to them. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Importance of military packaging** (*Motion picture*) U. S. Dept. of the Navy, 1953.

9 min., sd., b&w, 16 mm.

Order no. MN 7946.

*Summary:* Explains differences between military and civilian supply routes; shows typical military handling methods; gives illustrations of the results of inadequate packaging; and emphasizes the importance of packaging according to military requirements.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Important diseases common to the tropics** (*Filmstrip*) U. S. Dept. of the Army, 1951.

110 fr., color, 35 mm.

Order no. FS 8-148.

*Summary:* Shows histological slides on diseases common to the tropics.

*Borrow from* Army.

**The imported fire ant** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

13 min., sd., color, 16 mm.

Short version of the motion picture entitled Fire ant on trial.

*Summary:* Describes the destructiveness of the fire ant and shows, by photomicrography and animation, the growth and life of the ant.

*Rent from* DA film libraries. *Cleared for tv.*

**The impressionable years** (*Motion picture*) U. S. Dept. of State, 1952. Made by Peter Elgar Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

30 min., sd., b&w, 16 mm.

*Summary:* Portrays a little girl's first experience in the children's room of the New York Public Library, explains the appreciations which may develop in children through reading, and emphasizes freedom of choice and democratic relationships in the library. Prepared for overseas use.

*Buy from* UWF.

**Impressions of Japan** (*Motion picture*) U. S. Information Agency, 1956. Released for public educational use in the United States through U. S. Office of Education, 1957.

15 min., sd., b&w, 16 mm.

*Summary:* An interpretation of William Faulkner's impressions of Japan during his visit to participate in an American literature seminar at Nagano. Consists of quotations from various writings of the author, with supporting visual and musical background showing the people of Japan, their traditions, and their way of life. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Improved field wire laying with wire dispensers** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

13 min., sd., b&w, 16 mm.

Order no. FB 11-234.

*Summary:* Describes the wire dispenser MX-306 A/G, a 26-lb. canvas-and-tape-covered package containing one-half mile of plastic-coated assault wire, and explains its advantages in helping solve a problem in communication—the rapid installation of forward circuits in rugged and unfriendly terrain.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Improving dairy herds** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
30 double fr., color, 35 mm.
Order no. C-25.
With lecture notes.
*Summary:* Suggests methods of developing a high-producing and profitable dairy herd, particularly through selective breeding.
*Buy from* PhotoLab.

**Improving the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
9 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 163.
With instructor's manual.
*Summary:* A supervisor asks an employee for work-improvement suggestions; the employee talks the problem over with his father and sister, obtains their advice, and makes some worthwhile suggestions.
*Buy from* UWF.

**In common cause** (*Motion picture*) U. S. Dept. of Agriculture, 1945.
19 min., sd., b&w, 16 mm.
*Summary:* Shows the accomplishments of soil conservation districts and how they are formed and operated.
*Rent from* DA film libraries. *Buy from* UWF.

**In honor of liberty** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 77.
*Summary:* A corporal in the U. S. Army describes his first visit to the Statue of Liberty and his feelings concerning its meaning.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**In service management engineering: Project AFTO** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
12 min., sd., color, 16 mm.
Order no. SFP 551.
*Summary:* Explains how a comprehensive study of seriously hampered operations in a large air freight terminal and the use of a management-engineering approach to the problem resulted in physical and administrative improvements and stimulated progressive managerial attitudes.
*Borrow from* AF.

**In the beginning** (*Motion picture*) U. S. Dept. of Agriculture, 1937.
17 min., sd., b&w, 16 mm.
Revision of Ovulation, fertilization, and early development of the mammalian egg.
A short version for school use was released in 1939 under title How animal life begins.
*Summary:* Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.
*Rent from* DA film libraries. *Buy from* UWF.

**The in-vitro test for virulence of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.
12 min., sd., b&w, 16 mm. (Laboratory diagnosis of diphtheria series, no. 4)
Order no. 4-106.
With utilization guide.
Filmstrip of the same title also available.
*Summary:* Explains the principles and procedures of the in-vitro test for virulence of Corynebacterium diphtheriae, preparation of rabbit serum, special culture medium, culture plates, and interpretation of results of the test.
*Borrow from* PHS. *Buy from* UWF.

**The in-vitro test for virulence of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1950.
58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Laboratory diagnosis of diphtheriae series, no. 4)
Order no. 5-163.
With utilization guide.
Motion picture of the same title also available.
*Borrow from* PHS. *Buy from* UWF.

**In which we live** (*Motion picture*) U. S. Information Agency, 1958. Made by Atlas Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.
28 min., sd., b&w, 16 mm.
*Summary:* Describes the cooperative effort of the 66 nations participating in the scientific projects of the International Geophysical Year. Explains the three major phases of the IGY activity: study of the earth's surface and core, of the earth's atmosphere, and of outer space. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**In your defense** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
23 min., sd., color, 16 mm.
Order no. SFP 868.
*Summary:* Describes the purpose, development, and capabilities of SAGE, the semiautomatic ground environment system designed to preclude the penetration of enemy or unidentified aircraft without detection. Explains the functions of the detection sensor.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Inauguration of President Truman** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
18 min., sd., b&w, 16 mm.
Order no. MF 45-7345.
*Summary:* Documentary coverage of the inauguration of President Truman, with highlights of the inaugural address.
*Borrow from* Army. *Buy from* UWF.

**Incredible cataract** (*Motion picture*) U. S. Army Engineers, 1956.
21 min., sd., color, 16 mm.
*Summary:* Tells the history of Niagara Falls; explains the effect of erosion of the falls, the purpose of the "remedial project," and the advantage of hydraulic model studies in determining the most practical and effective means of preserving and enhancing the beauty of this world spectacle. Shows actual construction scenes to January 1, 1956.
*Borrow from* Eng. *Cleared for tv.*

**Independence Day, 175th anniversary** (*Motion picture*) U. S. Dept. of Defense, 1951.
6 min., sd., b&w, 16 mm.
On reel with Aerobee.
Order no. AFSR 135.
*Summary:* A pictorial record of the observance of Independence Day on July 4, 1951.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Independent commercial radio station** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Mitchell Films Associates. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm.
*Summary:* Shows the day-by-day operation of a local commercial radio station in the United States. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Independent duty for hospital corpsmen: Doc goes to sea** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.
20 min., sd., b&w, 16 mm.
Order no. MN 6911-a.
*Summary:* Depicts the story of a chief hospital corpsman who reports aboard a destroyer after graduating from Independent Duty School. Follows him through his indoctrination and shows how he overcomes his original fears of being unable to handle the responsibilities of independent duty. Emphasizes that his training has made him competent to handle both routine and emergency situations.
*Borrow from* Navy.

**India plows deeper** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

10 min., sd., b&w, 16 mm.

*Summary:* Story of an Indian village faced with famine. On his return from college a villager's son, though an agricultural expert, cannot repair a tractor. He learns about farm equipment at the Indian Agricultural Research Center and subsequently returns to the village to put his new knowledge into practice, with a resultant improvement of crops. Prepared for overseas use.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Indirect technique for the precision construction of crowns, bridges, and inlays** (*Motion picture*) U. S. Navy Dept., 1942.

25 min., si. at sd. speed, color, 16 mm. (U. S. Navy. Dental Corps. Prosthesis series)

Order no. MH 2050.

*Summary:* Demonstrates the use of plaster and wax in making the necessary impressions of jaw and teeth. For dental personnel.

*Borrow from Navy.*

**Individual protection against atomic attack** (*Motion picture*) U. S. Dept. of the Army, 1958.

25 min., sd., b&w, 16 mm.

Order no. TF 20-2321.

*Summary:* Explains, by means of animation and live action, the principal effects of atomic explosions, blast, heat, and nuclear radiation; depicts the protective measures to be taken by a soldier before, during, and after the attack. Emphasizes that although atomic weapons are powerful, a soldier must learn to protect himself, to continue to live and carry out his mission.

*Borrow from Army.*

**Individual protection against CBR attack** (*Motion picture*) U. S. Dept. of the Army, 1957.

25 min., sd., b&w, 16 mm.

Order no. TF 3-2499.

*Summary:* Explains the nature of and the protective measures against chemical, biological, and radiological warfare.

*Borrow from Army.*

**Individual sewage disposal systems series**
see
**Appraising soils for soil absorption systems**
**Constructing a typical household system**
**Principles of operation and design**

**Inductance** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

24 min., sd., b&w, 16 mm. (Radio technician training series)

Order no. MN 1549-b.

Supplementary filmstrip of same title also available.

*Summary:* Shows how a magnetic force reacts around a coil, the nature of self-inductance, and how to increase the inductance of a coil.

*Borrow from Navy. Buy from UWF.*

**Inductance** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

36 fr., b&w, 35 mm. (Radio technician training series)

Order no. SN 1549-ab.

Supplements the motion picture of the same title.

*Borrow from Navy. Buy from UWF.*

**Induction system icing** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

77 fr., b&w, 35 mm.

Order no. SN 272.

*Summary:* Explains the conditions under which ice will form, how it forms in the carburetor despite high temperature, three methods used to prevent ice formation, and what the pilot must do to prevent ice from forming.

*Borrow from Navy.*

**Inductive reactance** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

33 fr., b&w, 35 mm.

Order no. SN 647.

*Summary:* Explains the basic theory of inductive reactance and its application to radio instruments.

*Borrow from Navy. Buy from UWF.*

**Industrial hygiene and safety: Breathe and live** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.

16 min., sd., color, 16 mm.

Order no. MN 7498-a.

*Summary:* Shows and explains health precautions to be observed and protective gear to be used on shipboard and ships ashore, to avoid ill effects from noxious gases and oxygen deficiency when welding, painting, using solvents, working with internal combustion engines, and entering and working in void spaces and tanks.

*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Industrial hygiene and safety: Drive right** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Frederick K. Rockett Co.

21 min., sd., b&w, 16 mm.

Order no. MN 7498-b.

*Summary:* Deals with the problem of off-duty traffic accidents involving Navy personnel. Analyzes and dramatizes the four basic causes of accidents—preoccupation, intoxication, fatigue, and speed. Suggests precautions to be observed by servicemen.

*Borrow from Navy.*

**Industrial plant protection** (*Motion picture*) U. S. Dept. of the Army, 1953.

29 min., sd., b&w, 16 mm.

Order no. TF 19-1847.

*Summary:* Explains the basic principles, standards, and elements of physical security applicable to plants engaged in defense production. Prepared for use by military and civilian security officers and guards.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Infant care** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Rereleased by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm. (Health for the Americas series)

*Summary:* Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**Infant care**
see also
**Como cuidar da criança**
**El cuidado del niño**

**Infantry operations in mountains** (*Motion picture*) U. S. Dept. of the Army, 1954.

30 min., sd., b&w, 16 mm.

Order no. MF 7-8278.

*Summary:* Explains the nature of mountain terrain and the special problems it creates for offensive and defensive military operations, including physical characteristics, weather conditions, effects of high altitude upon troops, and difficulties in communications.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Infantry weapons and their effects: M1C cal. .30 sniper's rifle; sniperscope, infrared set no. 1** (*Motion picture*) U. S. Dept. of the Army, 1954.

6 min., sd., color, 16 mm.

Order no. FB 7-273.

*Summary:* Characteristics and use of the standard caliber .30 M1 rifle with special modifications of telescopic sight, flash hider, and cheek pad; and the sniperscope, a device enabling soldiers to see targets at night.

*Borrow from Army.*

**Infantry weapons and their effects: Portable flame thrower** (*Motion picture*) U. S. Dept. of the Army, 1954.

4 min., sd., color, 16 mm.

Order no. FB 7-277.

*Summary:* Demonstrates the portable flame thrower, including location and characteristics of component parts, operation, and characteristics and effects of thickened and unthickened fuel.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Infantry weapons and their effects: U. S. pistol, cal. .45; submachine gun, cal. .45; U. S. carbine, cal. .30** (*Motion picture*) U. S. Dept. of the Army, 1954.

8 min., sd., color, 16 mm.

Order no. FB 7-273.

*Summary:* Explains the characteristics and capabilities of the three types of weapons, with firing demonstrations of each.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Infectious hazards of bacteriological techniques** (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

13 min., sd., color, 16 mm.

Order no. M 57.

Based on material presented in the U. S. Army silent film, Infectious hazards of bacteriological technics.

*Summary:* Demonstrates by laboratory experiments that bacteriological aerosols, which may infect a technician, are produced even in such procedures as shaking liquid cultures, transferring cultures, mixing with a pipette, and blending cultures. Explains ways of lessening such dangers. Summarizes a series of films dealing with particular pieces of laboratory apparatus.

*Borrow from PHS. Buy from UWF.*

Infectious hazards of bacteriological techniques series
see
The centrifuge
The high speed blender
The hypodermic syringe
The inoculating needle
The lyophilizer
The pipette

**Infective larvae of ancylostoma caninum** (*Motion picture*) U. S. Public Health Service, 1952.

5 min., sd., b&w, 16 mm.

Order no. M 114.

*Summary:* Portrays the form of infective larvae of the dog hookworm and their behavior on soil particles. A study film for biologists and parasitologists.

*Borrow from PHS. Buy from UWF.*

**Infective larvae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

4 min., sd., color, 16 mm. (Parasitology series)

Order no. 4-459.

*Summary:* Cinemicrography of activity of infective larvae of *Wuchereria bancrofti* from mosquitoes infected with microfilariae (diurnal) from Society Islands infection.

*Borrow from PHS. Buy from UWF.*

**Infeed grinding a shaft of two diameters** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 4)

Order no. OE 88.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to profile-grind shafts by the infeed method; use cams in profiling the regulating wheel and grinding wheel; install cams; profile the wheels; set up the centerless grinding machine for the job; and rough- and finish-profile grind.

*Buy from UWF.*

**Infeed grinding a shaft of two diameters** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 4)

Order no. OE 88-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Infeed grinding shouldered work** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 3)

Order no. OE 87.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Principle of infeed grinding; how to use an automatic ejector; tilt the regulating wheel; adjust the end-stop; position the work for grinding; correct work ground out of round; and check work with V block, indicator, and micrometer.

*Buy from UWF.*

**Infeed grinding shouldered work** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

28 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 3)

Order no. OE 87-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Initial surgery of abdominal wounds** (*Motion picture*) U. S. Dept. of the Army, 1956.

30 min., sd., color, 16 mm.

Order no. PMF 5306.

*Summary:* Demonstrates surgical techniques used under combat conditions in the initial surgery of abdominal wounds, including rectus splitting incision; exploration of the liver, small intestine, and large intestine; repair of a simple laceration of the small intestine; paramedian incision; nephrectomy; resection of the small intestine for multiple wounds; defunctioning colostomy for multiple wounds of the colon; drainage of the presacral space; exploration of the ureter; exteriorization of a single wound of the colon; exploration and drainage of the liver; exploration of the duodenal area; removal of fragment from the retroperitoneal muscle; exploration of the kidney; debridement of entrance wounds; and various wound closures.

*Borrow from Army. Buy from UWF.*

Initiation à la modèlerie
see Usinage précis du bois. Initiation à la modèlerie

**Injection molding. Part 1: Setting up the press and molding a part** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

16 min., sd., b&w, 16 mm. (Plastics series, no. 7)

Order no. OE 472.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* What happens in the plunger cylinder, heating cylinder, and mold during injection molding; how to set up an injection molding press for a specified job; maintain the operating cycle and prevent damage to the mold and the press.

*Buy from UWF.*

**Injection molding. Part 1: Setting up the press and molding a part** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

37 fr., b&w, 35 mm. (Plastics series, no. 7)

Order no. OE 472-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Injection molding. Part 2: Cleaning and servicing the press** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

12 min., sd., b&w, 16 mm. (Plastics series, no. 8)

Order no. OE 473.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to disassemble the heating cylinder; clean the cylinder, hopper, and feeder mechanism; give the entire press a routine cleaning; and prepare scrap material for re-use.

*Buy from UWF.*

**Injection molding. Part 2: Cleaning and servicing the press** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
34 fr., b&w, 35 mm. (Plastics series, no. 8)
Order no. OE 473-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Injection nozzle** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series. Benchwork)
Order no. MN 3091-h.
*Summary:* How to test and check injection pressure; and disassemble, clean, and reassemble injection nozzle.
*Borrow from* Navy. *Buy from* UWF.

**Injector block reconditioning and reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 2)
Order no. MN 2364-n.
*Summary:* How to clean parts, lap valve seats, remove lapping compound, reassemble all valve parts in the injector block, and reassemble auxiliary parts in the injector block.
*Borrow from* Navy. *Buy from* UWF.

**Injector block removal and disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 1)
Order no. MN 2364-m.
*Summary:* How to put throttle in closed position, remove inspection window and injector block, and complete disassembly of the injector block and valve parts at a work bench.
*Borrow from* Navy. *Buy from* UWF.

**Injector block replacement and timing** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Fuel system, no. 3)
Order no. MN 2364-o.
*Summary:* Demonstrates how to replace the injector block and connecting lines; and explains in detail how to set the injector lifts.
*Borrow from* Navy. *Buy from* UWF.

**The innerbottom: Setting up floors and longitudinals** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 3)
Order no. OE 26.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to fair the keel; set and fit transverse floors; and set, fit, and weld longitudinal girders.
*Buy from* UWF.

**The innerbottom: Setting up floors and longitudinals** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
44 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 3)
Order no. OE 26-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 2)
Order no. OE 25.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How the keel, longitudinal girders, transverse side stiffeners, and tank tops form the innerbottom of a ship; how to lay out and install closed floor and open floor sections, and to weld stiffeners to the floors.
*Buy from* UWF.

**Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
42 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 2)
Order no. OE 25-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The inoculating needle** (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.
10 min., sd., b&w, 16 mm. (Infectious hazards of bacteriological techniques)
Order no. M 57-a.
Covers same material presented in filmstrip of the same title.
*Summary:* Demonstrates by laboratory experiments that bacteriological aerosols are produced from various methods of using inoculating needles on cultures, and explains how the bacterial infestation of such aerosols can be reduced by modifications in the inoculating techniques.
*Borrow from* PHS. *Buy from* UWF.

**The inoculating needle** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.
102 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Infectious hazards of bacteriological techniques, no. 1)
Order no. F 57-a.
Covers same material presented in motion picture with same title.
*Borrow from* PHS. *Buy from* UWF.

**Insect enemies** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
*Summary:* Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.
*Buy from* UWF. *Cleared for tv.*

Insect enemies
see also
Como exterminar os insectos
Exterminación de las plagas

**Insect pests of garden vegetables and their control** (*Filmstrip*) U. S. Dept. of Agriculture, 1938.
63 fr., b&w, 35 mm.
Order no. 508.
With lecture notes.
*Summary:* Life stage of biting and sucking types of insects; damage caused by both types; and recommended control measures.
*Buy from* PhotoLab.

**Insect repellent, part 1** (*Motion picture*) U. S. Dept. of the Army, 1955.
4 min., sd., b&w, 16 mm.
Order no. MF 8-8229.
*Summary:* Explains that a mosquito bite can infect the soldier in the field with malaria, and cautions soldiers to use insect repellent and wear clothing treated against insects.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Insect repellent, part 2** (*Motion picture*) U. S. Dept. of the Army, 1955.
4 min., sd., b&w, 16 mm.
Order no. MF 8-8230.
*Summary:* Explains that the bite of a mite can infect the soldier in the field with scrub-typhus fever, and cautions soldiers to use insect repellent and wear clothing treated against insects.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Insect repellent, part 3** (*Motion picture*) U. S. Dept. of the Army, 1954.
4 min., sd., b&w, 16 mm.
Order no. MF 8-8231.
*Summary:* Explains that a mosquito bite can infect a soldier with the virus causing sleeping sickness, and cautions soldiers to use insect repellent to prevent being bitten.
*Borrow from* Army. *Buy from* UWF.

**Insects of importance to public health in the U. S.** (*Filmstrip*) U. S. Public Health Service, 1952.
37 double fr., color, 35 mm.
Order no. 9-484.
*Summary:* Identifies important characteristics of 37 species of flies that are of public health importance, including sand, horse, deer, and black flies; eye gnats; human bot fly; tsetse fly; and several varieties of muscoid flies.
*Borrow from* PHS.

**Insects, their growth and structure** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.
44 fr., b&w, 35 mm.
Order no. 390.
With lecture notes.
*Summary:* Shows by drawings the types and kinds of insects, their external and internal anatomy and life cycles.
*Buy from* PhotoLab.

**Inside passage** (*Motion picture*) U. S. Army Engineers, 1949.
30 min., sd., color, 16 mm.
*Summary:* Portrays and explains the importance of the Atlantic intracoastal waterway from Norfolk, Va., to Key West, Fla.
*Borrow from* Eng. *Cleared for tv.*

**The inside story of concrete** (*Motion picture*) U. S. Army Engineers, 1954.
14 min., sd., color, 16 mm.
*Summary:* Shows by live photography and animation the investigational work required for the production of high quality mass concrete, and the activities of the Waterways Experiment Station in the development and application of methods of testing concrete.
*Borrow from* Eng. *Cleared for tv.*

**Inside the cell. Part 1: Enzymes in intracellular chemistry** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
45 min., sd., color, 16 mm.
Order no. PMF 5077-a.
*Summary:* A study of the theory of enzymes, showing by animated drawings the better known steps in glucose metabolism, and portraying by live-action photography the laboratory techniques practiced by several Nobel prize-winners.
*Borrow from* Army. *Buy from* UWF.

**Inside the cell. Part 2: Regulation of enzymes** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
43 min., sd., color, 16 mm.
Order no. PMF 5077-b.
*Summary:* Explains the factors regulating enzyme action; shows a laboratory demonstration of feeding radioactive acetate to rats; discusses the effects of drugs on enzymes, the action of anti-metabolites, glycolysis and Kreb's cycle; and pictures the chemical action inside a cell.
*Borrow from* Army. *Buy from* UWF.

**Insomnia** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Combat fatigue series)
Order no. MN 3428-e.
*Summary:* Stresses that insomnia is the result of worries, often minor, and of being "wound up too tight." Demonstrates a method of relaxing all parts of the body and coaxing oneself to go to sleep.
*Borrow from* Navy. *Buy from* UWF.

**Inspecting and adjusting hydraulic brakes** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
13 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 255.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to inspect the hydraulic brake system; bleed the hydraulic brakes; add fluid to the hydraulic system reservoir; and check the brakes.
*Buy from* UWF.

**Inspecting and adjusting hydraulic brakes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
45 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 255-fs.
With instuctor's manual. Supplements motion pictue of same title.
*Buy from* UWF.

**Inspecting and reconditioning piston assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
22 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 263.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to clean, inspect, and recondition the piston assembly; measure clearances; and install new piston rings.
*Buy from* UWF.

**Inspecting and reconditioning piston assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
44 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 263-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Inspecting and reconditioning valve assembly** (*Motion picture*) U. S. Office of Education. 1945. Made by Audio Productions.
25 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 264.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to disassemble the valve mechanism; clean and recondition the parts; measure clearances; reassemble the valve mechanism; and reinstall pistons and cylinders.
*Buy from* UWF.

**Inspecting and reconditioning valve assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
54 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 264-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Inspecting the external fuel system, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.
51 fr., b&w, 35 mm.
Order no. SN 187–a.
*Summary:* Demonstrates the procedures recommended for cleaning and inspecting the entire external fuel system of the airplane.
*Borrow from* Navy. *Buy from* UWF.

**Inspection and preparatory steps** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
8 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series)
Order no. MN 3691–a.
*Summary:* Covers the preliminary steps, including inspection, in the maintenance and repair of a Fairbanks Morse Diesel engine, model 38D8 1/8 O. P.
*Borrow from* Navy. *Buy from* UWF.

**Inspection, maintenance, and operation of automatic sprinkler systems** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
25 min., sd., color, 16 mm.
Order no. TF 1–5308.
*Summary:* Explains the importance of automatic sprinkler systems in fire protection and control. Demonstrates inspection and maintenance procedures common to all systems, and emphasizes the wet pipe, dry pipe, and deluge systems.
*Borrow from* AF. *Buy from* UWF.

Inspection methods, part 1 [-2]
see Optical inspection methods, part 1 [-2]

**Inspection of minor assemblies** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
16 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 2)
Order no. OE 146.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to inspect a minor assembly in detail; read rivet specifications; and inspect rivets.
*Buy from* UWF.

**Inspection of minor assemblies** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
36 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 2)
Order no. OE 146–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Inspection of piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 2)
Order no. MN 2364–f.
*Summary:* Demonstrates how to inspect piston covers and piston head, measure ring clearance, remove and inspect rings and ring grooves, measure piston pin and bearings, and record measurements.
*Borrow from* Navy. *Buy from* UWF.

**Inspection of plumbing and piping** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
17 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 3)
Order no. OE 147.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to inspect plumbing and piping in detail; verify the materials used; inspect installation of the part in the plane; and identify the different plumbing lines.
*Buy from* UWF.

**Inspection of plumbing and piping** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
40 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 3)
Order no. OE 147–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Inspection of sheet metal parts** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
20 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 1)
Order no. OE 145.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to plan an inspection routine; inspect sheet metal parts in detail; make visual inspections and spot checks.
*Buy from* UWF.

**Inspection of sheet metal parts** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
42 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 1)
Order no. OE 145–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Inspection of threads** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
22 min., sd., b&w, 16 mm. (Aircraft work series. Inspection, no. 4)
Order no. OE 148.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to identify the different parts of an American National Standard Thread; inspect external threads with a roll snap gage; adjust the roll snap gage; and inspect internal threads with a plug gage.
*Buy from* UWF.

**Inspection of threads** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.
49 fr., b&w, 35 mm. (Aircraft work series. Inspection, no. 4)
Order no. OE 148–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Inspection series
see Aircraft work series. Inspection

**Installation of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Benchwork)
Order no. MN 3708–f.
*Summary:* How to recondition the cylinder head, remove valve springs and valves; reface and check valve seats; check height of valve stems; and clean and inspect parts.
*Borrow from* Navy. *Buy from* UWF.

**Installation of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Reassembly)
Order no. MN 3708–e.
*Summary:* How to position the cylinder head; install injector linkages, fuel lines, rocker arm assemblies, test valves, and piston cooling oil lines.
*Borrow from* Navy. *Buy from* UWF.

**Installation of liner and piston** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Reassembly)
Order no. MN 3708-d.
*Summary:* How to install liners, blade rod piston assembly, fork rod piston assembly, and pistons; and secure pistons with the bearing cap.
*Borrow from* Navy. *Buy from* UWF.

**Installation of pumping stations** (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., b&w, 16 mm. (Military pipeline operations, no. 2)
Order no. TF 5-1863.
*Summary:* Illustrates the erection of a pumping station, using a U. S. Army "pipeline station manifold set no. 2."
*Borrow from* Army.

**Installing and aligning tail surfaces** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 259.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to inspect and remove damaged tail surfaces; prepare new parts for installation; and install new stabilizers, elevators, and rudder.
*Buy from* UWF.

**Installing and aligning tail surfaces** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
43 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 259-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Installing and connecting telltale panel** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 7)
Order no. OE 116.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to lay out telltale unit; remove insulation from cable; reinsulate conductors and cable; and connect conductors to the multiconnection box.
*Buy from* UWF.

**Installing and connecting telltale panel** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 7)
Order no. OE 116-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Installing conduit** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
25 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 12))
Order no. OE 381.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to bend electrical metallic tubing; install tubing runs; bend rigid conduit; install rigid conduit runs; and use flexible conduit.
*Buy from* UWF.

**Installing conduit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
48 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 12))
Order no. OE 381-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Installing landing gear** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 257.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to remove damaged landing gear; replace old bolts, nuts, and cotters; install an aircraft bolt properly; assemble and install a new landing gear; and check alignment and track of wheels.
*Buy from* UWF.

**Installing landing gear** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.
44 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 257-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Installing surface metal raceway** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 11))
Order no. OE 380.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to install a molding raceway run to ceiling outlet; from ceiling outlet to wall switch; from ceiling outlet to wall fan; and to floor outlet.
*Buy from* UWF.

**Installing surface metal raceway** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
29 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 11))
Order no. OE 380-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Installing valves and strainer on sea chest** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 5)
Order no. OE 99.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How studs are driven and checked for accuracy; valves installed on sea chests; and how strainer is prepared for and installed on sea chest.
*Buy from* UWF.

**Installing valves and strainer on sea chest** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
29 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 5)
Order no. OE 99-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Installing valves in engine room systems, part 1** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.
12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 8)
Order no. OE 123.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Identification of principal units in engine-room system; function of valves in controlling cycle of steam; design and functions of gate valve, globe valve, and check valve.
*Buy from* UWF.

**Installing valves in engine room systems, part 1** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

37 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 8)

Order no. OE 123–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Installing valves in engine room systems, part 2** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 9)

Order no. OE 124.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Installation of the globe valve in main steam line; gate, angle, and swing-check valves; flanged valves; and valves with threaded fittings where clearance is limited.

*Buy from* UWF.

**Installing valves in engine room systems, part 2** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

46 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 9)

Order no. OE 124–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Installing vitreous fixtures** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 6)

Order no. OE 121.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to lay out, drill, and tap the seating; measure and cut brass studs; make watertight installations; and assemble and connect the flushometer.

*Buy from* UWF.

**Installing vitreous fixtures** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

54 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 6)

Order no. OE 121–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Instructing the blind worker on the job** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

17 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 166.

With instructor's manual.

*Summary:* How a supervisor trains a blind worker to operate a drill press.

*Buy from* UWF.

**Instructing the disabled worker on the job** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

14 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 400.

With instructor's manual.

*Summary:* Dramatized instances of poor and good instruction of disabled workers, and how in the latter case, a one-armed worker learns successfully to operate a drill press.

*Buy from* UWF.

**Instructing the worker on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

14 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 155.

With instructor's manual.

*Summary:* Dramatization of how not to instruct a new worker and the results of poor on-the-job instruction; in contrast, how such instruction should be done.

*Buy from* UWF.

Instrument flight control series
see
- Altitude
- Analysis of maneuvers, part 1
- Analysis of maneuvers using instruments
- Cockpit instrument checks
- Instrument flight rules
- Orientation: The 90 degree method
- Radio navigation, part 5
- Radio navigation, part 6
- Radio navigation: Bracketing an unknown beam
- Radio navigation: The radio range
- Weather control during instrument flight, part 1
- Weather control during instrument flight, part 2

**Instrument flight rules** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

58 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Instrument flight control series)

Order no. SN 1059–ad.

*Summary:* Deals with airway control center and communication facilities of the Civil Aeronautics Administration, including such items as alternate airports, contact flight rules, instrument flights, aircraft clearances, and flight plans.

*Borrow from* Navy.

**Instruments used in piloting** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

37 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–a, formerly SG 3883–a.

*Summary:* Describes the uses of instruments necessary for the piloting of a vessel.

*Buy from* UWF.

**Insulin and its use** (*Filmstrip*) U. S. Public Health Service, 1950.

69 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Taking care of diabetes series, no. 3)

Order no. 5–143.

*Summary:* Explains the function of insulin in the control of diabetes, the kinds and strengths of insulin, and the method of injection.

*Borrow from* PHS. *Buy from* UWF.

**Insulin reaction** (*Filmstrip*) U. S. Public Health Service, 1950.

39 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Taking care of diabetes series, no. 5)

Order no. 5–145.

*Summary:* Explains the characteristics of a diabetic's reaction to too much insulin, the causes of insulin reactions, and the methods of preventing and treating insulin reactions.

*Borrow from* PHS. *Buy from* UWF.

**Intake and exhaust systems** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

36 fr., b&w, 35 mm.

Order no. FS 1-64.

*Summary:* Diagrams the essential elements of intake and exhaust systems for radial and V-type aircraft engines; gives a simplified explanation of the supercharger; and outlines maintenance and inspection procedures for intake and exhaust systems.

*Borrow from* AF. *Buy from* UWF.

**Integrated landing aids, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

25 min., sd., color, 16 mm.

Order no. MN 6613–a.

*Summary:* Explains the elements of GCA (ground control approach) and shows how an instrument landing is made under adverse weather conditions. Continued in part 2.

*Borrow from* Navy. *Buy from* UWF.

**Integrated landing aids, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.
26 min., sd., color, 16 mm.
Order no. MN 6613-b.
*Summary:* Covers landing aids at an airport, particularly high intensity lighting of approaches and runways and fog dispersal equipment. Continuation of part 1.
*Borrow from* Navy. *Buy from* UWF.

**Interior and exterior trim** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.
12 min., sd., b&w, 16 mm. (Building techniques series)
Order no. MN 6719-e.
*Summary:* Covers the installation of doors and windows and the finishing trim around them.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Intermediate helicopter flight training. Part 1: Take-off and flight procedures** (*Motion picture*) U. S. Dept. of the Army, 1957.
17 min., sd., b&w, 16 mm.
Order no. TF 46-2418.
*Summary:* Demonstrates the take-off and flight procedures covered in the intermediate stage of helicopter pilot training, including "crabbing," "slipping," cross-wind take-off, maximum performance take-off, running take-off, and rapid deceleration maneuver.
*Borrow from* Army.

**Intermediate helicopter flight training. Part 2: Autorotations** (*Motion picture*) U. S. Dept. of the Army, 1957.
12 min., sd., b&w, 16 mm.
Order no. TF 46-2419.
*Summary:* Demonstrates helicopter autorotation maneuvers, explaining the specific flight conditions that make them necessary, and how they are performed under flight conditions, including two types of power recoveries, autorotation turns, flare autorotation, and autorotation with an antitorque failure.
*Borrow from* Army.

**The internal combustion engine: Principles of operation** (*Motion picture*) U. S. Army Air Forces, 1944.
29 min., sd., b&w, 16 mm.
Order no TF 1-4300.
*Summary:* Explains, by use of models and animation, the basic operating principles of the internal combustion engine.
*Buy from* UWF.

International anarchy and America's entry into World War II
see American history II, lecture 13: International anarchy and America's entry into World War II

**International House** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by American Film Producers. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
*Summary:* Portrays foreign students working and living together and showing cultural exchanges at International House, N. Y., and explains the importance of such experiences in furthering international understanding and goodwill. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**International ice patrol** (*Motion picture*) U. S. Dept. of State, 1949. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm.
*Summary:* Shows how the U. S. Coast Guard, operating under international agreements, patrols the North Atlantic shipping lanes in search of icebergs, and issues warnings to ships. Illustrated through a portrayal of the cutter Mendota's search for iceberg no. 39. Prepared for overseas use.
*Borrow from* CG. *Buy from* UWF.

**International naval review** (*Motion picture*) U. S. Dept. of the Navy, 1958.
4 min., sd., color, 16 mm.
Order no. MN 8771-b.
Short version of the motion picture with the same title.
*Summary:* Shows high spots of the festival at Jamestown, Va.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**International naval review** (*Motion picture*) U. S. Dept. of the Navy, 1958.
11 min., sd., color, 16 mm.
Order no. MN 8771-a.
*Summary:* Shows high spots of the festival at Jamestown, including the U. S. Atlantic Fleet welcoming seventeen visiting navies to the international naval review at Norfolk, Va.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Interpretation and contruction of graphs
see Beginning algebra I, lecture 6: Interpretation and construction of graphs

**Interpretation of a single "lop"** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
23 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-322.
*Summary:* Explains the meaning of "lop" (line of position), and tells how it may be found and when it can be used as a speed or course line.
*Borrow from* AF.

**Interpreting weather for landing aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
42 min., sd., b&w, 16 mm.
Order no. TF 1-4996.
*Summary:* Discusses every phase of weather information necessary for correct and safe landing of aircraft, including all conditions under which the pilot may have to land his plane.
*Borrow from* AF. *Cleared for tv.*

**Interproximal and occlusal dental radiographic techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. FTA 270.
*Summary:* Demonstrates techniques for using interproximal and occlusal dental radiography and exposure of proximal and occlusal films.
*Borrow from* AF.

Interrelationships of vessels and ducts
see The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts

**Interviewing principles and techniques** (*Motion picture*) U. S. Dept. of the Navy, 1951.
17 min., sd., b&w, 16 mm.
Order no. MN 7360.
*Summary:* Demonstrates a classification interview illustrating principles of good interviewing including preparation, approach, getting the facts, use of simple terminology, guiding the conversation, and preventing interruptions.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Intra-abdominal closure descending colon colostomy (herniations and multiple openings)** (*Motion picture*) U. S. Dept. of the Army, 1947.
15 min., sd., color, 16 mm.
Order no. PMF 5004.
*Summary:* Portrays colostomy of descending colon midway between umbilicus and anterior iliac crest with four separate openings resulting from damage to exteriorized loop of bowel; and demonstrates technique used to effect repair. For medical personnel.
*Borrow from* Army.

**Intra-abdominal colostomy closure (right to left side)** (*Motion picture*) U. S. Dept. of the Army, 1947.

9 min., sd., color, 16 mm.

Order no. PMF 5007.

*Summary:* Demonstrates techniques used in an intra-abdominal colostomy closure, right to left side. For medical personnel.

*Borrow from* Army.

**Intramaxillary multiple loop wiring in treatment of jaw fractures** (*Motion picture*) U. S. Dept. of the Army, 1951.

28 min., sd., color, 16 mm.

Order no. PMF 5188.

*Summary:* Demonstrates a technique of wiring as a temporary expedient in the early management of jaw fractures, and explains its limitations in definitive treatment.

*Borrow from* Army. *Buy from* UWF.

**Intramedullary fixation of the femur** (*Motion picture*) U. S. Dept. of the Army, 1951.

23 min., sd., color, 16 mm.

Order no. PMF 5196.

*Summary:* Demonstrates the treatment of fractures of the femur requiring prolonged fixation; shows postoperative planning, operative technique, and postoperative care. For medical personnel.

*Borrow from* Army. *Buy from* UWF.

**Intra-oral and pharyngeal structures and their movements** (*Motion picture*) U. S. Veterans Administration, 1951.

23 min., sd., color, 16 mm.

*Summary:* Illustrates the physiological activity of the tongue, soft palate, and epiglottis in a patient who suffered the loss of a portion of the face as the result of a cancer in the maxillary sinuses. For medical personnel.

*Borrow from* VA. *Buy from* UWF.

**Intra-oral dental periapical radiographic techniques—maxillary and mandibular periapical examination** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

10 min., sd., b&w, 16 mm.

Order no. FTA 271c.

*Summary:* Demonstrates procedures for maxillary and mandibular periapical examination when long cone techniques are used. Intended primarily for apprentice dental specialists and dental technicians.

*Borrow from* AF.

**Intravenous administration of fluids** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

17 min., sd., b&w, 16 mm. (Basic nursing care series)

Order no. MN 8576-e.

*Summary:* Describes the responsibilities of hospital corpsmen and demonstrates the specific procedures that they must follow when preparing a patient and in assisting the medical officer to administer large doses of fluids to patients in naval hospitals.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Introducing Belgium** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Belgium—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Belgium in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Canada** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by National Film Board of Canada, Montreal. Released in the United States by U. S. Dept. of State, 1957.

22 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Canada—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Canada in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Denmark** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Nordisk film junior, Copenhagen. Released in the United States by U. S. Dept. of State, 1956.

20 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Denmark—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Denmark in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing France** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Madeleine Films, Paris. Released in the United States by U. S. Dept. of State, 1956.

20 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of France—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of France in the North Atlantic Treaty Organization.

*Buy from* UWF.

**Introducing Germany** (*Motion picture*) North Atlantic Treaty Organization, 1957. Released in the United States by U. S. Dept. of State, 1958.

23 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Germany—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Germany in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Greece** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State, 1956.

16 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Greece—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Greece in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Iceland** (*Motion picture*) North Atlantic Treaty Organization, 1955. Released in the United States by U. S. Dept. of State, 1956.

18 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Iceland—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Iceland in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Italy** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

21 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Italy—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Italy in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Luxembourg** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Luxembourg—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Luxembourg in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Norway** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Norsk dokumentarfilm, Oslo. Released in the United States by U. S. Dept. of State, 1956.

19 min., sd., b&w, 16 mm. (Atlantic community)

*Summary:* Describes the country and the people of Norway—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Norway in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Portugal** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

18 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Portugal—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Portugal in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing the Netherlands** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of the Netherlands—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of the Netherlands in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing the new worker to his job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

16 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 154.

With instructor's manual.

*Summary:* Dramatization of how not to orient a new employee and get him started on his job; then by contrast, what should have been done.

*Buy from* UWF.

**Introducing the United Kingdom** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by World Mirror Productions, Beaconsfield, Eng. Released in the United States by U. S. Dept. of State, 1956.

22 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of the United Kingdom—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of the United Kingdom in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing the United States** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by News of the day. Released in the United States by U. S. Dept. of State.

21 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of the United States—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of the United States in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introducing Turkey** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

21 min., sd., b&w, 16 mm. (The Atlantic community)

*Summary:* Describes the country and the people of Turkey—geographical features, historical development and achievements, economic life, occupations of the people, and social customs. Explains briefly the role of Turkey in the North Atlantic Treaty Organization.

*Buy from* UWF. *Cleared for tv.*

**Introduction to airplane instruments** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

61 fr. b&w, 35 mm.

Order no. FS 1-23.

*Summary:* Explains the purposes, principles, and types of aircraft instruments.

*Borrow from* AF. *Buy from* UWF.

**Introduction to aphasia** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

30 min., sd., color, 16 mm. (Aphasia, no. 1)

*Summary:* Defines and describes aphasia; discusses receptive and emissive language functions; and differentiates various types of aphasia such as agnosia, agraphia, and paraphasia. Primarily animation. For medical personnel.

*Borrow from* VA. *Buy from* CW.

**Introduction to Army work simplification** (*Motion picture*) U. S. Dept. of the Army, 1954.

19 min., sd., b&w, 16 mm.

Order no. TF 20-1736.

*Summary:* Presents an analysis of the U. S. Army's work simplification program, including consideration of the need and value of the program, illustrations of a number of work simplification ideas in action with accompanying remarks on the effects of the improvements, and a brief outline of the training course given line supervisors in work distribution, flow process, work count, application of the principles of motion economy, and layout study.

*Borrow from Army. Buy from* UWF. *Cleared for tv.*

**An introduction to arthropod-borne encephalitis** (*Motion picture*) U. S. Public Health Service, 1957.

19 min., sd., color, 16 mm.

Order no. M 237.

*Summary:* Defines the nature of arthropod-borne encephalitis; illustrates cases in both humans and horses; and explains the distribution of the three types of the disease, and temporary and permanent control measures.

*Borrow from* PHS. *Buy from* UWF.

**Introduction to automatic data processing** (*Motion picture*) U. S. Dept. of the Army, 1958.

31 min., sd., b&w, 16 mm.

Order no. TF 11-2572.

*Summary:* Discusses the automatic data processing system (ADPS), explaining its underlying concept, capabilities, operation, and application as a new management tool. Shows several systems currently in use in Government installations—electric accounting machines, Remington Rand UNIVAC system, RCA BIZMAC system, Underwood ELECOM, Burroughs DATATRON system. Using animation, analyzes the features, operation, and functional components of ADPS, giving attention to communication networks, input and output devices, and the central processing unit consisting of the internal control section, memory section, and arithmetic and logic section. A simple problem is processed for demonstration purposes.

*Borrow from Army. Buy from* UWF. *Cleared for tv.*

**An introduction to backsiphonage and cross connections** (*Filmstrip*) U. S. Public Health Service, 1957.

75 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.

Order no. F 171.

*Summary:* Describes the public health significance of two defects of plumbing systems—backsiphonage and cross connections; identifies their basic causes; and explains methods of prevention.

*Borrow from* PHS. *Buy from* UWF.

**An introduction to bacteriology series**
see
**Basic biology of bacteria**
**Identifying pathogens**

**Introduction to clinical neurology series**
see
**Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states**
**Disorders of the extra-pyramidal system and the posterior columns**
**Functional syndromes with pronounced physical symptoms**
**General neurological examination and clinical signs of disorders of the pyramidal system**

**Introduction to combat fatigue: Doctor's version** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

31 min., sd., b&w, 16 mm.
Order no. MN 3428-b.
A version without the leading titles, which give instructions for screening, is available for general use (order no. MN 3428-a)
*Summary:* Analyzes fear and relates the symptoms of combat fatigue (startled reaction, irritability, nightmares, tension, etc.) to their causes through flashbacks of simulated action in a combat area. For medical personnel.
*Borrow from Navy. Buy from UWF.*

**Introduction to combat fatigue: Patient's version** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

30 min., sd., b&w, 16 mm.
Order no. MN 3428-a.
A version with leading titles which give instructions for screening is available for medical personnel (order no. MN 3428-b)
*Summary:* Analyzes fear and relates the symptoms of combat fatigue (startled reaction, irritability, nightmares, tension, etc.) to their causes through flashbacks of simulated action in a combat area.
*Borrow from Navy. Buy from UWF.*

**An introduction to Indo-China** (*Filmstrip*) U. S. Public Health Service, 1951.

55 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. F 87.
*Summary:* Shows and explains the modern culture in large cities, native culture in rural areas, health problems, and malaria control and other health demonstrations used by an ECA mission in 1950.
*Borrow from PHS.*

**Introduction to occupational therapy** (*Motion picture*) U. S. Dept. of the Army, 1954.

20 min., sd., b&w, 16 mm.
Order no. PMF 5227.
*Summary:* Explains that occupational therapy is interest-motivated activity with a therapeutic purpose, prescribed by the physician to fit the individual physical or mental need of the patient. Gives various cases to illustrate the value and application of the principles of occupational therapy. For medical personnel.
*Borrow from Army.*

**Introduction to optics** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

17 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-a.
*Summary:* Uses animation and practical examples to illustrate the principles of light waves and rays; to show how light is refracted and reflected, and to explain image formation in relation to concave and convex lenses. Studies these principles as applied to optical instruments.
*Borrow from Navy. Buy from UWF.*

**Introduction to preventive maintenance** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 1)
Order no. OE 461.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Importance of preventive maintenance in truck operation; typical checks of the clutch pedal, battery, and voltage regulator.
*Buy from UWF.*

**Introduction to preventive maintenance** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

33 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 1)
Order no. OE 461-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Introduction to psychological warfare** (*Motion picture*) U. S. Dept. of the Army, 1956.

16 min., sd., color, 16 mm.
Order no. GF 33-27.
*Summary:* Using animation, discusses the military aspects of psychological warfare including oral and written persuasion directed at enemy soldiers in the combat zone; the use of political, cultural, and ethnic themes of exploitation behind the lines; measures directed at civilians in occupied areas; and the arming of U. S. soldiers against enemy psychological warfare.
*Borrow from Army.*

**An introduction to radiation detection instruments** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

17 min., sd., b&w, 16 mm.
*Summary:* Shows the reasons for the existence of radiation detection instruments, as well as the methods employed in their use, and describes several classes of instruments and their specific and general purposes. Produced under the supervision of the Armed Forces Special Weapons Project.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Introduction to swimming pool sanitation** (*Motion picture*) U. S. Public Health Service, 1959.

24 min., sd., color, 16 mm.
Order no. M 402.
*Summary:* An introductory lecture for courses in swimming-pool sanitation. For pool operators or environmental hygienists.
*Borrow from PHS. Buy from UWF.*

**Introduction to the fluorescent treponemal antibody test** (*Motion picture*) U. S. Public Health Service, 1959.

9 min., sd., color, 16 mm.
Order no. FG 338.
*Summary:* Describes the preparation of treponemal antibody antigen, the technique of staining with fluorescent material, reactions obtained by means of ultraviolet light microscope assembly, and the method used in the preparation of tagged globulin and its chemical purification.
*Borrow from PHS. Buy from UWF. Cleared for tv. Prior authorization required.*

**Introduction to the insects and their allies** (*Filmstrip*) U. S. Public Health Service, 1959.

65 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F-340.
*Summary:* Shows structural relationships and phylogeny of principal classes of arthropods leading up to Insecta and Arachnida; describes the main orders of these two classes, their relationships, and their importance in medical and public health.
*Borrow from PHS. Buy from UWF. Cleared for tv.*

**Introduction to valves** (*Filmstrip*) U. S. Navy Dept., 1944. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

77 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Hydraulic valves)
Order no. SN 1989-a.
*Summary:* Traces the history and evolution of hydraulic valves. Explains the purposes of valves and defines simple and compound types.
*Borrow from Navy.*

**An introduction to vectors: Coplanar concurrent forces** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

22 min., sd., b&w, 16 mm. (Engineering series. Fundamentals of mechanics)

Order no. OE 361.

Supplemented by filmstrip with same title.

With instructor's manual.

*Summary:* Explains the meaning of scalar and vector quantities; how to add scalars and vectors; methods of vector composition and vector resolution; relationship between vector composition and vector resolution; and how vectors may be used to solve engineering problems.

*Buy from* UWF.

**An introduction to vectors: Coplanar concurrent forces** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

36 fr., b&w, 35 mm. (Engineering series. Fundamentals of mechanics)

Order no. OE 361-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Invasion of Crete by the German Army** (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

11 min., sd., b&w, 16 mm.

Order no. FB 20-16.

*Summary:* A German film, with English sound track, showing the preparations for and the invasion of Crete in 1941.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Invasion of southern France** (*Motion picture*) U. S. Dept. of the Army, 1950.

19 min., sd., b&w, 16 mm. (Historical reports series)

Order no. HR-C-8.

*Summary:* Portrays the invasion of southern France by the 7th U. S. Army and its subsequent junction with the 3rd Army in northern France.

*Borrow from* Army. *Buy from* UWF.

**The investigating officer** (*Motion picture*) U. S. Dept. of the Army, 1954.

48 min., sd., b&w, 16 m.

Order no. TF 15-1946.

*Summary:* Portrays the work done by an investigating officer conducting an investigation as the preparatory step to a possible court-martial, in compliance with Article 32 of the Uniform code of military justice. The story centers upon a private accused of stealing an Army pistol and covers preparations before the investigation, explanation of his rights to the accused, assignment of counsel to the accused, questioning of witnesses, cross-examination, and preparation of the investigator's report.

*Borrow from* Army.

**Investigation of narcotics offenses** (*Motion picture*) U. S. Dept. of the Army, 1958.

40 min., sd., b&w, 16 mm.

Order no. TF 19-2540.

*Summary:* Depicts a typical narcotics investigation conducted by military police criminal investigators. Discusses the symptoms of drug addiction; techniques and procedures related to the discovery, apprehension, and search of offenders; the importance of apprehending the source of supply in narcotics investigations; and emphasizes the necessity for maintaining close liaison with representatives of the Federal Bureau of Narcotics and local police to insure effectiveness of investigative activities.

*Borrow from* Army.

**Investigations of dynamic stability and controllability in the Langley free-flight tunnel** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

20 min., si., b&w, 16 mm.

Order no. TF 17.

Revision of 1945 film with the same title.

*Summary:* Illustrates the effects of some of the principal design factors on the dynamic lateral and longitudinal stability of airplanes. Shows the NACA 12-foot open-return closed-throat tunnel, housed in a metal sphere, and the operating technique, and includes motion-picture records of actual flight tests. For technical personnel, to be used with NACA Technical note 810: Preliminary stability and control tests in the NACA free-flight wind tunnel and correlation with full-scale flight tests, and with NACA Wartime report L-487: Free-flight tunnel investigation of the effect of the fuselage length and the aspect ratio and the size of the vertical tail on lateral stability and control.

*Borrow from* NASA.

**An investment in human welfare** (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Unifilms.

22 min., sd., color, 16 mm.

*Summary:* Explains the contributions made by handicapped persons to the nation's economy; shows many different handicapped workers performing useful jobs; and describes the rehabilitation processes by which they are prepared for their jobs.

*Borrow from* OVR. *Cleared for tv.*

**Irrigating the electric way** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

65 double fr., color, 35 mm.

Order no. C-38.

*Summary:* Explains the importance of water on the farm and of irrigation to supplement rainfall, and the ways in which electricity can be used in irrigation practices.

*Buy from* PhotoLab.

**Irrigation, lifeblood of the West** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

56 fr., b&w, 35 mm.

Order no. 686.

With lecture notes.

*Summary:* Traces the history and development of agriculture in the West, and shows how arid and semiarid land has been made into productive farms.

*Buy from* PhotoLab.

**Irrigation practices** (*Motion picture*) University of Nebraska and U. S. Bureau of Reclamation, 1957. Made by University of Nebraska.

28 min., sd., color, 16 mm.

*Summary:* Explains and demonstrates various practices to be used in irrigating field crops, including designing an irrigation system for a specific farm, using the correct equipment, pumping the needed amount of water, regulating the stream size into furrows, and applying enough water to fill the root zone.

*Borrow from* BR.

**Irrigue a terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Portuguese version of Water on the land.

*Summary:* Explains the values of irrigation in farming and demonstrates some simple irrigation methods.

*Buy from* UWF. *Cleared for tv.*

**Irritability** (*Motion picture*) U. S. Navy Dept., 1945.

34 min., sd., b&w, 16 mm. (Combat fatigue series)

Order no. MN 3428-c.

*Summary:* Explains to the neuropsychiatric patient that he must realize his problem of adjustment, face his memories, and overcome the fear and frustration that once controlled him. Depicts conversation with the doctor and participation in group therapy as aids to realization.

*Borrow from* Navy.

**Is farming for me?** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

54 fr., b&w, 35 mm.

Order no. 664.

With lecture notes.

*Summary:* Explains aspects of farming and farm life, and directs veterans and other prospective farmers to sources of information.

*Buy from* PhotoLab.

**Is research your job? Careers in human nutrition and home economics** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

30 double fr., color, 35 mm.

Order no. C-37.

With lecture notes.

*Summary:* Describes research activities and experiments in home economics and nutrition being carried on at the U. S. Agricultural Research Center, Beltsville, Md., and the background and qualifications of those engaged in this research.

*Buy from* PhotoLab.

**Is your watershed safe?** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., b&w, 16 mm.
*Summary:* Presents a demonstration of what a watershed is and how it works. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Isolation and identification of beta hemolytic streptococci** (*Filmstrip*) U. S. Public Health Service, 1957.
84 fr., color, 35 mm.
Order no. F 172.
*Summary:* Shows the preparation of blood agar pour plates; procedures for isolating samples from swabs; identification of the organisms; and procedures for isolating samples from Loeffler slants.
*Borrow from* PHS. *Buy from* UWF.

**Isolation and identification of Salmonella and Shigella cultures series**
see
**Isolation and preliminary identification of cultures**
**Simplified serologic identification of Salmonella cultures**
**Simplified serologic identification of Shigella cultures**

**Isolation and preliminary identification of cultures** (*Filmstrip*) U. S. Public Health Service, 1951.
85 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Isolation and identification of *Salmonella* and *Shigella* cultures series, no. 1)
Order no. 5-169.
*Summary:* Shows methods of isolating and identifying pathogenic Enterobacteriaceae by cultural, biochemical, and serologic methods. For scientific personnel.
*Borrow from* PHS. *Buy from* UWF.

**It must never happen again** (*Motion picture*) U. S. Army Engineers, 1951.
23 min., sd., b&w, 16 mm.
*Summary:* Shows and describes the 1951 floods in Kansas and Missouri, and indicates the loss of life and damage to property.
*Borrow from* Eng. *Cleared for tv.*

**Italy** (*Motion picture*) U. S. Dept. of Defense, 1951.
10 min., sd., b&w, 16 mm.
On reel with Air Force firepower.
Order no. AFSR 133.
*Summary:* A brief description of Italy during the Roman Empire and at the present time (1951)
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**It's a peach** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of peaches. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**It's a snap** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of beans. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**It's carving time** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
5 min., sd., color, 16 mm.
*Summary:* Explains the new and easy way of "side carving" a turkey: turn the turkey on its side, remove the wings and legs, and slice the meat.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**It's no picnic** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Northeastern States, 1948.
28 min., sd., color, 16 mm.
*Summary:* Dramatized story of a family picnic and of the father's failure to take one precaution—that of stamping out his pipe ashes. Volunteer fire fighters bring the fire under control and the father, apprehended by the fire warden, is fined for his carelessness.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**It's the Maine sardine** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with Maine Sardine Packers Assn., 1949. Made by Sun Dial Films.
18 min., sd., color, 16 mm.
*Summary:* Portrays the sardine industry in Maine, showing steps in the processing and packing of sardines.
*Borrow from* FWS. *Cleared for tv. Prior authorization required.*

**It's up to you** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
3 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series I, no. 2)
*Summary:* Smokey Bear makes a direct appeal to everyone for help in preventing forest fires.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**It's up to you** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
45 min., sd., color, 16 mm.
Order no. SFP 379.
*Summary:* Explains the advantages of an Air Force career through a dramatized story of a young aircraft mechanic who decides to reenlist.
*Borrow from* AF. *Cleared for tv.*

**It's up to you** (*Motion picture*) U. S. Dept. of the Army, 1955.
32 min., sd., b&w, 16 mm.
Order no. TF 8-2323.
*Summary:* Explains to new soldiers that adjustment to military environment often creates emotional problems in the form of anxiety, fear, anger, insecurity, and similar reactions, and emphasizes that these feelings are quite common and can be handled by understanding their basis. Depicts three typical adjustment cases.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**It's your decision** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
32 min., sd., color, 16 mm.
Order no. SFP 368.
*Summary:* Through animation explains the Armed Forces industrial defense program; responsibilities of military, civil, and industrial authorities in the event of attack; and steps which every plant should take to minimize damage and restore production.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**It's your future** (*Motion picture*) U. S. Dept. of the Army, 1953.
15 min., sd., b&w, 16 mm.
Order no. MF 12-8151.
*Summary:* Portrays a sergeant explaining why he feels the U. S. Army offers young men opportunity, security, and a satisfying career. A recruiting film to encourage re-enlistment.
*Borrow from* Army. *Cleared for tv.*

# J

**Japan** (*Motion picture*) U. S. Dept. of Defense, 1951.
18 min., sd., b&w, 16 mm.
Order no. AFSR 132.
*Summary:* Gives an overview of Japan—country, climate, natural resources, agriculture, and people.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Japan and the UN: What is the UN?** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
*Summary:* Dramatized story of a young Japanese student in the United States who writes to his parents in Japan telling them about the United Nations and comparing the United Nations treatment of world problems with the solution of individual problems in a country village in Japan. Prepared for use in occupied areas, particularly in Japan.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Japan logistical command** (*Motion picture*) U. S. Dept. of Defense, 1952.
22 min., sd., b&w, 16 mm.
Order no. ETAF 142.
*Summary:* Portrays some of the logistical operations of the U. S. Army organization in Japan that supports the occupation troops in Japan and the forces in Korea, including the salvage of World War II equipment, processing of replacement troops, hydroponic farming of vegetables, and port operations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The Japanese beetle** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
13 min., sd., color, 16 mm.
*Summary:* Reviews the history of the Japanese beetle, a ravager of farm, field, and fruit crops; illustrates its life cycle and habits; and shows Federal and State control programs for combatting this insect.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Japanese Diet members observe U. S. Government in action** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., b&w, 16 mm.
*Summary:* Shows how some members of the Japanese Diet on a tour of Washington observed the U. S. Government and studied in detail the work of the Dept. of Agriculture. Prepared for use in occupied areas, particularly in Japan.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Japanese Diet members visit an American legislature** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.
18 min., sd., b&w, 16 mm.
*Summary:* Records the visit of some members of the Japanese Diet to the New York State Legislature in 1950. Produced for use in occupied areas, particularly in Japan.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Japanese relocation** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* How 100,000 Japanese were moved in 1942 from the Pacific coast and relocated in settlements in Arizona, Colorado, and Wyoming.
*Buy from UWF.*

**Japanese trade fair** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
*Summary:* Pictorial record of a Japanese trade fair held in Seattle in 1951. Shows various articles which Japan is now producing for export. Produced for use in occupied areas, particularly in Japan.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Japanese women leaders visit the U. S.** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., b&w, 16 mm.
*Summary:* Records a visit by some Japanese women to Columbus, Ohio, in 1950 and explains their learning about the Agricultural Extension Service. Produced for use in occupied areas, particularly in Japan.
*Buy from UWF.*

**Java** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.
60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Theatres of war series. Pacific area: Netherlands East Indies)
Order no. SN 1326-a.
*Summary:* Explains Javanese living conditions, temperament, superstitions, clothing; size and population of several large cities; effects of Dutch colonization; and means of dealing with the Malays.
*Borrow from Navy. Buy from UWF.*

**The jet assisted take-off of carrier aircraft** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
13 min., sd., b&w, 16 mm.
Order no. MN 2495.
*Summary:* Explains use of "Jato" (jet assisted take off) in the launching of planes from a Navy carrier.
*Borrow from Navy. Buy from UWF.*

**Jet fighter gunnery. Part 1: Air to ground** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
25 min., sd., color, 16 mm.
Order no. TF 1-4962.
*Summary:* Explains the elements of gunnery in jet aircraft, including low angle bombing, low angle strafing, high angle bombing, and rocket firing.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Jet fighter gunnery. Part 2: Air to air** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
27 min., sd., color, 16 mm.
Order no. TF 1-4982.
*Summary:* Explains standard tow target, scoring of the target, curve of pursuit with one jet and with four jets, and traffic safety laws. Covers air gunnery theories and principles.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Jet flight planning** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. TF 1-5113.
*Summary:* Explains the importance of and the means used in U. S. Air Force jet flight planning training, including big wall map, radio facility chart, NOTAMS (notice to airmen), Flacne (pilots handbook, continental U. S.), weather, maps and logs, weather forecaster, and dispatcher.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Jet test** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Audio Productions.
14 min., sd., b&w, 16 mm.
Order no. SFP 266.
*Summary:* Shows various test flights of the F-86 jet fighter made by test pilots before the U. S. Air Force accepted it for operational use. Includes scenes of climbing, diving, and spinning.
*Borrow from AF. Cleared for tv.*

**Jets aboard: Operation of jet aircraft aboard carriers** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.
23 min., sd., b&w, 16 mm.
Order no. MN 5305-b.
*Summary:* Describes six factors in flight deck handling of jet aircraft: rolling planes without rocking; securing parked jets against wind and weather; assistance in taxiing jets; catapulting jets in pairs; helping jets land almost nose to tail; and servicing jet planes to maximum capacity.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The job breakdown** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
72 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (On-the-job supervision series, no. 3)
Order no. SFS 80-4.
*Summary:* Explains three steps in making a job breakdown: identifying the job, listing the important steps, and determining key points.
*Borrow from Army. Buy from UWF.*

**A job for you in agricultural journalism** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
50 double fr., color, 35 mm.
Order no. C-40.
With lecture notes.
*Summary:* Explains the educational requirements and career opportunities in agricultural communications.
*Buy from* PhotoLab.

**John J. Pershing** (*Motion picture*) U. S. Dept. of Defense, 1960.
21 min., sd., b&w, 16 mm.
Order no. AFSM 579.
*Summary:* Covers highlights in the life of General Pershing from his birth in 1860 until his death in 1948, including scenes of his student days at West Point, the campaigns against the Indians, the Spanish-American War, the Mexican War, and later World War I.
*Borrow from* Army. *Cleared for tv.*

**Joining solid conductors** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 1.))
Order no. OE 309.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make a Western Union, pigtail, plain tap, "wrapped tap" or Britannia, loop tap, and fixture joints; use a blowtorch; flux and solder joints; and insulate joints.
*Buy from* UWF.

**Joining solid conductors** (*Filmstrip*) U. S. Office of Education, 1945. Produced by Ray-Bell Films.
39 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 1.))
Order no. OE 309-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Jointing an edge for gluing: Installing knives** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
21 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 4)
Order no. OE 305.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to determine when knives are dull; remove dull knives; install sharp knives on the cutter head and adjust them for proper cutting; straighten crooked stock; and join edges for gluing.
*Buy from* UWF.

**Jointing an edge for gluing: Installing knives** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
54 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 4)
Order no. OE 305-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Jointing an edge for gluing: installing knives
see also
Dégauchissage d'un champ pour le collage:
Installation des couteaux

**Jointing edges and ends 90 degrees to face** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the jointer, no. 1)
Order no. OE 302.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Functions and operation of the jointer; how to identify surfaces of a piece of stock; joint a square edge to size; and joint a piece of glued stock to size.
*Buy from* UWF.

**Jointing edges and ends 90 degrees to face** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
62 fr., b&w, 35 mm. (Precision wood machining series. Operations on the jointer, no. 1)
Order no. OE 302-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Jointing edges and ends 90 degrees to face
see also
Dégauchissage des champs et extrémités
d'équerre avec la face

**Journey back** (*Motion picture*) U. S. Veterans Administration, 1949.
20 min., sd., b&w, 16 mm.
*Summary:* Dramatized story of the rehabilitation of a hemiplegic patient, demonstrating the work of physical occupational, recreational, and speech therapists and their contribution to the recovery of the patient.
*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

**Journey into medicine** (*Motion picture*) U. S. Dept. of State, 1947. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education and U. S. Public Health Service, 1949.
39 min., sd., b&w, 16 mm.
*Summary:* Dramatized story of a doctor's "journey into medicine"—his studies in medical school, graduation, internship, further study in pediatrics, and his decision to specialize in public health. Prepared for overseas use.
*Borrow from* PHS. *Buy from* UWF.

**Journey to reality** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
30 min., sd., b&w, 16 mm.
Order no. PMF 5116-c.
*Summary:* Portrays through dramatized sequences six patients with typical psychotic reactions entering a hospital; reviews the case histories and outlines appropriate occupational therapy for each patient. Emphasizes the medical officer's responsibility for prescribing and providing occupational therapy.
*Borrow from* Army.

**Juiced for you** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
6 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of grapefruit. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Jungle quest for the great stone heads** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Rereleased for educational use in the United States through U. S. Office of Education, 1949.
27 min., sd., color, 16 mm.
*Summary:* Record of an archeological expedition made by the National Geographic Society and the Smithsonian Institution in the state of Vera Cruz. Shows the art and skill developed in Mexico 1900 years ago.
*Buy from* UWF.

**Jungle survival** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
36 min., sd., color, 16 mm.
Order no. TF 1-5111.
*Summary:* Shows various types of jungles and describes characteristics of rain and cloud forests, savannas, and swamps; and demonstrates rules to be followed for jungle survival.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Junior achievement** (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Murphy Lillis. Released for public educational use through U. S. Office of Education, 1949.

11 min., sd., b&w, 16 mm.

*Summary:* Explains how local businessmen in the United States sponsor projects enabling high-school students to start and operate small businesses, from which they can earn money and learn about business methods. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Junior chamber of commerce** (*Motion picture*) U. S. Dept. of State, 1951. Made by Knickerbocker Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

19 min., sd., b&w, 16 mm.

*Summary:* Story of the organization of a junior chamber of commerce in an American town and its work in planning and executing projects for the welfare and betterment of the community. Prepared for overseas use.

*Buy from* UWF.

**Junior college for technical trades** (*Motion picture*) U. S. Dept. of State, 1950. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

22 min., sd., b&w, 16 mm.

*Summary:* The Los Angeles Trade and Technical College, formerly the Frank Wiggins Trade School—its origin, purpose, vocational courses, and relationship to the industrial needs of Los Angeles. Prepared for overseas use.

*Buy from* UWF.

**Junior ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

20 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 4)

*Summary:* An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.

*Rent from* DA film libraries. *Cleared for tv.*

**Just for the fun of it** (*Motion picture*) U. S. Army Engineers, 1959.

27 min., sd., color, 16 mm.

*Summary:* Shows recreational areas at lakes operated by the Corps of Engineers in the southeastern part of the United States which are being used for outdoor recreation, especially water-sport activities. Emphasizes the need for observing safety rules when participating in water sports.

*Borrow from* Eng. *Cleared for tv.*

## K

**KMAG and the ROK soldier** (*Motion picture*) U. S. Dept. of the Army, 1954.

28 min., sd., b&w, 16 mm.

Order no. MF 20-7949.

*Summary:* Explains the purposes, functions, and operations of KMAG (Korean Military Advisory Group) composed of U. S. Army officers, and follows the training by KMAG of a lieutenant in the Army of the Republic of Korea.

*Borrow from* Army.

**Kapaun Retreat House** (*Motion picture*) U. S. Dept. of the Army, 1957.

16 min., sd., b&w, 16 mm.

Order no. MF 16-8707.

*Summary:* Portrays the religious activities and services for military personnel at Kapaun Retreat House in Oiso, Japan, founded in memory of Chaplain Emil J. Kapaun who lost his life in Korea.

*Borrow from* Army.

**Keep 'em rolling** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

3 min., sd., b&w, 16 mm.

*Summary:* A wartime song sung against a background of scenes in war production plants.

*Buy from* UWF.

**Keep 'em running** (*Motion picture*) U. S. Army Engineers, 1953.

14 min., sd., color, 16 mm.

*Summary:* Explains the industrial engine standardization project being carried on by the Corps of Engineers with engine and engine parts manufacturers, including reduction in the number of parts used to manufacture an engine from 1137 noninterchangeable parts to a family of 39 standardized parts.

*Borrow from* Eng. *Cleared for tv.*

**Keep on learning** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

15 min., sd., b&w, 16 mm.

Order no. AFIF 98.

*Summary:* Describes the voluntary study program for members of the Armed Forces, including the services of educational counselors, classroom instruction, correspondence courses, telecourses, the test system, and accreditation services.

*Borrow from* Army. *Cleared for tv.*

**Keeping your car fit** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 3)

Order no. OE 498.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Why a weekly checkup is necessary; tires should be crisscrossed; cars lubricated regularly; the oil filter element replaced; and the cooling system inspected periodically.

*Buy from* UWF.

**Keeping your car fit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

39 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 3)

Order no. OE 498-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Kentucky Dam** (*Motion picture*) U. S. Tennessee Valley Authority, 1948. Made by Sam Orleans Associates.

21 min., sd., color, 16 mm.

*Summary:* Record of engineering processes used in construction of Kentucky Dam across the Tennessee River, 1938–45. Primarily for technical use.

*Borrow from* TVA. *Buy from* TVA. *Cleared for tv.*

**Key to the emerald empire** (*Motion picture*) U. S. Army Engineers, 1956.

28 min., sd., color, 16 mm.

*Summary:* Describes the building of Lookout Point and Dexter Dams on the Middle Fork Willamette River in Oregon, and explains the many uses of this engineering project.

*Borrow from* Eng. *Cleared for tv.*

**Kids must eat** (*Motion picture*) U. S. Dept. of Agriculture, 1945. Made by Wilding Pictures.

17 min., sd., b&w, 16 mm.

*Summary:* The "Quiz Kids," of radio fame, discuss the community school lunch program.

*Rent from* DA film libraries. *Buy from* UWF.

**Kill the louse** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

*Summary:* Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.

*Buy from* UWF. *Cleared for tv.*

**Kill the louse**
 see also
**Guerra ao piolho**
**El tifo**

**Kinda give it your personal attention** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
67 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (On-the-job supervision series, no. 6)
Order no. SFS 80-7.
*Summary:* Discusses the power of suggestion and the value of personal attention to improvements on the job. Explains how new methods may increase production and efficiency.
*Borrow from Army. Buy from UWF.*

**Kitchen habits** (*Motion picture*) U. S. Public Health Service, 1954.
12 min., sd., color, 16 mm. (Food handling series)
Order no. M 148-g.
*Summary:* Shows, under actual operating conditions in a kitchen, the importance of developing good habits relating to food sanitation; stresses individual awareness of personal responsibility and effective supervision to develop these habits.
*Borrow from PHS. Buy from UWF. Cleared for tv. Prior authorization required.*

**Know for sure** (*Motion picture*) U. S. Public Health Service, 1942. Made by the Research Council of the Academy of Motion Picture Arts and Sciences.
20 min., sd., b&w, 16 mm.
*Summary:* Dramatized story of an immigrant storekeeper whose first child is born dead because of syphilis and who learns, from his doctor, of the sources of infection, early symptoms, clinical treatment, and prevention of syphilis.
*Borrow from PHS.*

**Know the eggs you buy** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
5 min., sd., b&w, 16 mm.
*Summary:* Shows the candling, sorting, and labeling of eggs, the meaning of grade labels, and the uses for different grades of eggs.
*Rent from DA film libraries. Cleared for tv.*

**Know the poultry you buy** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1956.
4 min., sd., b&w, 16 mm.
*Summary:* Stresses the importance of USDA inspection and grade labels in the buying of poultry in retail stores; indicates the poultry items available on the market; and gives recommendations for handling frozen and fresh-chilled poultry in the home.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Know your Air Rescue Service** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
31 min., sd., b&w, 16 mm.
Order no. TF 1-4968.
*Summary:* Illustrates four phases of rescue operations—notification, search, aid, and rescue—and explains the work of the U. S. Air Rescue Service.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Know your car** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 1)
Order no. OE 486.
Supplemented by filmstrip with the same title.
With instructor's manual.
*Summary:* Construction of a car chassis; how the engine functions; operations of the clutch, transmission, rear axle, brakes, and electrical and cooling systems.
*Buy from UWF.*

**Know your car** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
38 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 1)
Order no. OE 486-fs.
Supplements motion picture with the same title.
With instructor's manual.
*Buy from UWF.*

**Know your land** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
45 double fr., color, 35 mm.
Order no. C-8.
*Summary:* Explains a method of classifying land that will indicate the best use and treatment of various areas of a farm.
*Buy from PhotoLab.*

**The Korea story** (*Motion picture*) U. S. Information Agency, 1953. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1954.
20 min., sd., b&w, 16 mm.
*Summary:* Describes the factors preceding the Korean War, attempts to unify North and South Korea, the invasion south of the 38th parallel in June 1950, the UN Security Council decision to halt the aggression, and the war from the invasion to truce talks. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Korea today** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm.
Order no. AFSR 94.
*Summary:* Portrays the status of Korea in 1948, showing the progress made in rehabilitation of the country under the leadership of the United States.
*Borrow from Army. Buy from UWF.*

**Korean cease fire talks** (*Motion picture*) U. S. Dept. of Defense, 1951.
18 min., sd., b&w, 16 mm.
Order no. CB 112.
*Summary:* Military operations in Korea from June 20 to July 20 1951.
*Borrow from Army. Buy from UWF.*

## L

**L. T. A. history: Balloons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Metro-Goldwyn-Mayer. Released for public educational use through U. S. Office of Education, 1948.
27 min., sd., b&w, 16 mm.
Order no. MN 2722-a.
*Summary:* Traces the history of balloon experimentation covering problems, development, and outstanding men, and modern uses of balloons.
*Borrow from Navy. Buy from UWF.*

**L. T. A. history: Rigid airships** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Caravel Films.
41 min., sd., b&w, 16 mm.
Order no. MN 2722-d.
*Summary:* Traces the development of lighter-than-air craft; describes the major craft developed by Germany, Britain, and America; shows improvements in each type, and analyzes weaknesses causing high mortality.
*Borrow from Navy.*

**Labor efficiency on the farm** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.
48 fr., b&w, 35 mm.
Order no. 690.
With lecture notes.
*Summary:* Gives suggestions for the planning of work on the farm in order to make work lighter, save time, and handle hired labor more efficiently.
*Buy from* PhotoLab.

**Laboratory control in milk sanitation** (*Motion picture*) U. S. Public Health Service, 1951.
9 min., sd., b&w, 16 mm.
Order no. M 51-a.
*Summary:* Demonstrates methods of collecting samples of raw and processed milk; portrays methods of laboratory examination of the samples; and discusses the laboratory findings in terms of helping farmers and milk processors to remedy causative conditions on the farm or in the plant.
*Borrow from* PHS. *Buy from* UWF.

Laboratory diagnosis of diphtheria series
see
Determination of types of C. diphtheriae
The in-vitro test for virulence of C. diphtheriae
Microscopic study and isolation of C. diphtheriae
Tests for virulence of C. diphtheriae in animals

The laboratory diagnosis of influenza
see
Techniques of laboratory diagnosis of influenza

**Laboratory diagnosis of rabies** (*Motion picture*) U. S. Public Health Service, 1950.
6 min., sd., b&w, 16 mm.
Order no. 4-111.
Filmstrip with same title, covering same subject matter, also available.
*Summary:* Explains the procedure of removing the dog's brain, exposing Ammon's horn, staining and examining under a microscope a smear and an impression from Ammon's horn, and making the mouse inoculation test.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Laboratory diagnosis of rabies** (*Filmstrip*) U. S. Public Health Service, 1948.
53 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. 5-105.
Motion picture with same title also available.
*Borrow from* PHS. *Buy from* UWF.

**Laboratory diagnosis of ringworm in animals. Part 1: Microsporum infections** (*Filmstrip*) U. S. Public Health Service, 1957.
47 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 221.
*Summary:* Describes the clinical features of microsporum ringworm in animals, methods of examining the animals with the Wood's light, collection of specimens for laboratory study, examination of the clinical materials, inoculation of culture media, and identification of the two important microsporum species, *M. canis* and *M. gypseum*. Illustrates the mode of transmission of infection from animal to man and the appearance of human microsporum infections of animal origin.
*Borrow from* PHS. *Buy from* UWF.

**Laboratory diagnosis of ringworm in animals. Part 2: Trichophyton infections** (*Filmstrip*) U. S. Public Health Service, 1957.
60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 221-a.
*Summary:* Describes the clinical features of trichphyton ringworm in animals, methods of collecting material for laboratory study, and laboratory methods for examining clinical materials, inoculating culture media, and identifying trichophyton species. Illustrates the mode of transmission of infections from animals to man and the appearance of human trichophyton infections of animal origin.
*Borrow from* PHS. *Buy from* UWF.

**The laboratory diagnosis of schistosomiasis** (*Filmstrip*) U. S. Public Health Service, 1946.
67 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min.
Order no. 5-041.
*Summary:* Emphasizes the serious nature of schistosomiasis and the importance of early diagnosis; and explains the methods of diagnosis with primary emphasis upon *Schistosoma japonicum* and *Schistosoma mansoni*.
*Borrow from* PHS.

**Laboratory diagnosis of tinea capitis in children: Microsporum infections** (*Filmstrip*) U. S. Public Health Service, 1950.
65 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. 5-127.
With utilization guide.
*Summary:* Explains the clinical signs of tinea capitis in children, the means of demonstrating the mycotic nature of such infections, procedures for isolating the etiologic agents involved, and their macroscopic and microscopic details.
*Borrow from* PHS. *Buy from* UWF.

**Laboratory diagnosis of Trichophyton infections. Part 1: Ectothrix infections of the beard and scalp** (*Filmstrip*) U. S. Public Health Service, 1952.
77 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. F 94-a.
*Summary:* Explains the procedures for the diagnosis of ectothrix ringworm of the beard and scalp caused by *Trichophyton mentagrophytes* and *Trichophyton faviforme*.
*Borrow from* PHS.

**Laboratory diagnosis of Trichophyton infections. Part 2: Endothrix infections of the scalp** (*Filmstrip*) U. S. Public Health Service, 1952.
56 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 94-b.
*Summary:* Explains the procedures for the diagnosis of endothrix ringworm of the scalp caused by *Trichophyton tonsurans* and *Trichophyton violaceum*.
*Borrow from* PHS.

Laboratory diagnosis of tuberculosis series
see
Preparation of a culture medium
Preparation of sputum specimens
Typing of tubercle bacilli by animal inoculation

Laboratory indentification of systemic fungi series
see
Blastomyces dermatitidis
Coccidioides immitis

**Laboratory technique for darkfield microscopy** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education.
16 min., sd., b&w, 16 mm.
Order no. FN 7408.
*Summary:* Explains the theory of darkfield microscopy, the preparation of slides, and the use of a darkfield microscope. Designed for use by laboratory technicians.
*Borrow from* Navy. *Buy from* UWF.

**Lake carrier** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
*Summary:* How iron ore is transported from the Mesabi ranges of Minnesota across the Great Lakes to the steel mills of Gary, Pittsburgh, and Youngstown.
*Buy from* UWF.

**The land and the Book** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
10 fr., color, 35 mm.
Order no. C-22.
With lecture notes.
*Summary:* Pictures related to Biblical quotations pertaining to land and soil conservation. Prepared for use in churches.
*Buy from* PhotoLab.

**The land changes** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
15 min., sd., color, 16 mm.
*Summary:* Shows how land was acquired for national forest purposes in the Shawnee, Hoosier, and Wayne National Forests in the Ohio Valley and how such land was improved by reforestation, protection, and proper management.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Land clearing operations** (*Motion picture*) U. S. Army Engineers, 1954.
18 min., sd., color, 16 mm.
*Summary:* Shows new and unusual methods of land clearing, the use of machinery and methods that have not become standard procedures, and clearing work on levees and reservoirs.
*Borrow from* Eng. *Cleared for tv.*

**Land mine injury to both legs: Bilateral amputation simultaneously with two teams** (*Motion picture*) U. S. Dept. of the Navy, 1954.
10 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)
Order no. MN 8056-b.
*Summary:* Shows excessive damage to both legs due to numerous missiles, application of pneumatic tourniquets, preparation of extremities, and cleansing of amputation sites. Demonstrates a circular type of incision to permit loose approximation of edges over stumps. Shows application of skin traction to the left extremity with stockinet and liquid adhesive and to the right extremity with adhesive tape, and illustrates countertraction obtained by ladder wire splints encased in plaster bandage.
*Borrow from* Navy.

**The land must eat** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
*Summary:* Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.
*Buy from* UWF. *Cleared for tv.*

The land must eat
see also
Como cuidar da terra
Hay que alimentar la tierra

**Landbased helicopter operations: Functions** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.
10 min., sd., b&w, 16 mm.
Order no. MN 7411-a.
*Summary:* Shows to helicopter pilots the many duties which they will be expected to perform in landbased helicopter operations, and points out the versatility of the helicopter.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Landbased helicopter operations: Precautions** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.
11 min., sd., b&w, 16 mm.
Order no. MN 7411-b.
*Summary:* Stresses the need for pilot alertness in helicopter operation, and demonstrates night and rough-terrain operations.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Landing accidents** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.
6 min., sd., b&w, 16 mm. (Flight safety series)
Order no. MN 4353-f.
*Summary:* Through live action and animation reminds pilots of proper landing techniques.
*Borrow from* Navy.

**La Paz** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
*Summary:* A film journey through the Bolivian city of La Paz. Contrasts the old and new ways of living in Latin America.
*Buy from* UWF.

**A large water treatment plant** (*Filmstrip*) U. S. Public Health Service, 1954.
84 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 165.
*Summary:* Shows the equipment in a large modern water treatment plant, including raw water and in-take facilities and structures; chemical treatment, coagulation, and settling devices; filters; chlorinators; and corrosion control equipment. For sanitarians and engineers.
*Borrow from* PHS. *Buy from* UWF.

**The last bomb** (*Motion picture*) U. S. Dept. of the Air Force, 1947.
25 min., sd., b&w, 16 mm.
Order no. SFP 158.
*Summary:* Film record of the bombing of Japan by B-29 airplanes and the dropping of the first atomic bomb on Japan.
*Borrow from* AF. *Cleared for tv.*

**The lathe** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)
Order no. OE 68.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Functions, characteristics, and basic operations of the engine lathe.
*Buy from* UWF.

**The lathe** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
91 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1-4.
*Summary:* Explains the nomenclature, practical uses, and operation of the lathe.
*Borrow from* AF. *Buy from* UWF.

**The lathe** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
49 fr., b&w, 35 mm. (Machine shop work series. Basic machines)
Order no. OE 68-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Latitude by Polaris** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
10 min., sd., b&w, 16 mm. (Celestial navigation series)
Order no. TF 1-545.
*Summary:* Shows relationship between latitude and elevated pole; position and diurnal path of Polaris; and reduction of altitude of elevated pole. Describes the use of mathematical formulae and tables in determining the altitude of Polaris.
*Buy from* UWF.

**Launching** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

10 min., sd., b&w, 16 mm. (Fundamentals of patrol plane handling series)

Order no. MN 1339-c.

*Summary:* Shows in detail the procedure for launching a seaplane from a concrete ramp.

*Borrow from Navy. Buy from UWF.*

**Launching of Explorer** (*Motion p*[illegible] U. S. Dept. of the Army, 1958.

10 min., sd., b&w, 16 mm.

Order no. MF 21-8093.

*Summary:* Pictorial story of the U. S. Army's launching of the first United States earth satellite, "Explorer," at Cape Canaveral, Florida. Depicts the preliminary, intermediate, and final phases of the project, including features, assembly, and testing of each stage of Jupiter-C; final assembly and fueling procedure, the countdown, firing command, and the ascent of Jupiter-C into space.

*Borrow from Army. Cleared for tv.*

**Laying off bulkheads** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation. Series: Laying out and installing stern tube, tail shaft, and propeller, no. 2)

Order no. OE 101.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to measure on bulkheads from the temporary line and establish the center of bulkhead openings; the purpose for laying off the bulkheads; and when to run the permanent line.

*Buy from UWF.*

**Laying off bulkheads** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

25 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 7. Laying out and installing stern tube, tail shaft, and propeller, no. 2)

Order no. OE 101-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Laying out and forming plywood** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

21 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 3)

Order no. OE 285.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to lay out plywood using blueprints and templates; form plywood in a press; reinforce plywood; and apply glue and varnish.

*Buy from UWF.*

**Laying out and forming plywood** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

39 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 3)

Order no. OE 285-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Laying out and installing compartment fixtures** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

12 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 5)

Order no. OE 114.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to locate installations on a planview blueprint; lay out ceiling fixtures and studs; lay out and burn a hole for the passage of cable; and install ceiling fixtures.

*Buy from UWF.*

**Laying out and installing compartment fixtures** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

34 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 5)

Order no. OE 114-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Laying out and installing hangers** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 5)

Order no. OE 120.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to measure and cut hanger legs to length; and how to install steel, angle iron bracket, strap, rod, and saddle hangers.

*Buy from UWF.*

**Laying out and installing hangers** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

46 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 5)

Order no. OE 120-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Laying out and installing kickpipes and stuffing tubes** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

16 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 1)

Order no. OE 110.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to locate the kickpipe or stuffing tube area; lay out the penetration area; cut or burn the penetration area; and install the kickpipe or stuffing tube.

*Buy from UWF.*

**Laying out and installing kickpipes and stuffing tubes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

37 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 1)

Order no. OE 110-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Laying out and installing main wireway** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

21 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 2)

Order no. OE 111.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to determine from the blueprint the route the cables are to follow and the size of the hangers to be used; lay out the raceways; install flat bars and hangers; and lay out penetration holes to be cut.

*Buy from UWF.*

**Laying out and installing main wireway** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

26 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 2)

Order no. OE 111-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Laying out and installing stern tube, tail shaft, and propeller**
see
Fitting tube, shaft, and propeller
Laying off bulkheads
Running a permanent line and boring
Running a temporary line

**Laying out, drilling, and tapping flanges on sea chest** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 4)
Order no. OE 98.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Component parts of a sea chest; how locations of flanges are checked; flanges leveled; stud hole centers laid out; and stud holes drilled and tapped.
*Buy from* UWF.

**Laying out, drilling, and tapping flanges on sea chest** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
32 fr., b&w, 35 mm (Shipbuilding skills series. Marine machinery installation, no. 4)
Order no. OE 98-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Laying out small castings** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.
16 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 6)
Order no. OE 40.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to lay out holes for drilling; locate a reference point; and use hermaphrodite calipers, combination square, and surface gage.
*Buy from* UWF.

**Laying out small castings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
32 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 6)
Order no. OE 40-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Laying pipelines** (*Motion picture*) U. S. Dept. of the Army, 1954.
19 min., sd., b&w, 16 mm. (Military pipeline operations, no. 1)
Order no. TF 5-1862.
*Summary:* Demonstrates the laying of a typical military pipeline, stovepipe and grasshopper methods of laying pipe, and cold and hot bending pipe methods.
*Borrow from* Army.

**Lead from mine to metal** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.
28 min., sd., color, 16 mm.
Order no. 245.
*Summary:* Shows mining, preparing for market, and the major uses of lead.
*Borrow from* BM. *Cleared for tv.*

**The lead line, fathometer** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.
57 fr., b&w, 35 mm.
Order no. SCG 122, formerly SG 1680.
*Summary:* Explains the importance of taking soundings and the use of identifying marks on a lead line. Shows how to heave a lead line and report soundings to the bridge, and how to determine the type of bottom.
*Buy from* UWF.

**Leaders of tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Portrays Japanese teen-age boys and girls learning the principles of democracy at the youth training centers sponsored in Japan by the American Red Cross and the Supreme Commander, Allied Powers. Prepared for use in occupied areas, particularly in Japan.
*Buy from* UWF.

**The leading edge** (*Motion picture*) U. S. Marine Corps, 1958.
27 min., sd., b&w, 16 mm.
Order no. MH 8599.
*Summary:* Depicts the training which a young man receives upon enrolling in either of the two Marine Corps officer training programs: the platoon leaders class (aviation), or the aviation officers candidate course.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Learn and live** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1952.
43 min., sd., b&w, 16 mm.
Order no. TF 1-3300.
*Summary:* A safety film for pilots dramatizing, in fantasy form, some of the more common errors in flying safety and emphasizing the responsibility of the pilot.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Learning about farm jobs from pictures** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.
50 fr., b&w, 35 mm.
Order no. 652.
With lecture notes.
*Summary:* Shows how pictures can be used in job instruction in order to emphasize key points, discuss principal steps, show the whole process, contrast right and wrong ways, and compare different methods.
*Buy from* PhotoLab.

**Learning by doing** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., b&w, 16 mm. (Shipboard training series)
Order no. MN 5328-b.
*Summary:* Illustrates actual operation of shipboard on-the-job training. Emphasizes job analysis and techniques of instruction and training.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Learning to swim** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
Order no. MCG 115-aaJ, formerly MG 2442.
*Summary:* Emphasizes the need for gaining confidence in the water, and demonstrates how to float and to swim the dog paddle.
*Buy from* UWF.

**Leatherneck lieutenants** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.
14 min., sd., b&w, 16 mm.
Order no. MH 7492.
*Summary:* Explains the U. S. Marine Corps officer procurement program, and how the Marine Corps trains college students prior to commissioning.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Lesser Sunda Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
92 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Theatres of war series. Pacific area: Netherlands East Indies)
Order no. SN 1538-m.
*Summary:* Shows size and climate of Timor, Flores, Soemba, Soembawa, Lombok, and Bali; living conditions of the natives and how to treat them to obtain their help.
*Borrow from* Navy. *Buy from* UWF.

**Let us live** (*Motion picture*) U. S. Dept. of State, 1953. Released for educational use in the United States through U. S. Office of Education.
19 min., sd., b&w, 16 mm.
*Summary:* Portrays refugees and displaced persons entering West Berlin; explains the steps being taken to receive and rehabilitate these people; and gives their reasons for emigrating to western Germany. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Let's have more vitamin A and C foods in school lunches** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.
15 double fr., color, 35 mm.
Order no. C-40.
With printed narrative.
*Summary:* Explains the importance of vitamins A and C to growing children and suggests ways to make sure that the foods served in school lunch programs contain sufficient quantities of these two vitamins.
*Buy from* PhotoLab.

**Let's look at ordnance** (*Motion picture*) U. S. War Dept., 1945.
20 min., sd., b&w, 16 mm.
Order no. MF 9-1198.
*Summary:* Scenes from various theaters of operation showing the role performed by U. S. Army Ordnance units in World War II.
*Borrow from* Army. *Cleared for tv.*

**Let's visit the Smithsonian** (*Filmstrip*) Smithsonian Institution, 1967.
32 fr., color, 35 mm. and disc: 2 s., 12 in., 33⅓ rpm, 25 min.
With teacher's manual and transcript of commentary.
*Summary:* Explains the activities of the Smithsonian Institution and pictures some of the collections and exhibits in its buildings in Washington, D. C., including the Natural History Museum, the Freer and National Galleries of Art, the National Air Museum, and the Museum of History and Technology.
*Buy from* SVE.

**Letter from a mother** (*Motion picture*) U. S. Dept. of the Army, 1955.
10 min., sd., b&w, 16 mm.
Order no. MF 45-8438.
*Summary:* Pictorial report of an American mother's feelings after visiting her son in the Army, showing her affection for her son and an understanding of the role he must play in the defense of his country.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Letter from an American schoolboy** (*Motion picture*) U. S. Dept. of State, 1950. Made by Transfilm. Released for educational use in the United States through U. S. Office of Education, 1952.
27 min., sd., b&w, 16 mm.
*Summary:* An American schoolboy, aged 14, writes to a student in another country and describes his life in Conway, N. H. Includes scenes of the town and surrounding country and of the boy's family, home life, school classes, social activities, sports, and after-school job. Prepared for overseas use.
*Buy from* UWF.

**Letter to a friend** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Explains how Japanese boys and girls can and do correspond, as "pen pals," with boys and girls of their own ages in the United States. Prepared for use in occupied areas, particularly in Japan.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Leveling for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1951.
20 min., sd., color, 16 mm.
*Summary:* Demonstrates the use of the U. S. Geological Survey precise level and rod in the development of the third-order level nets needed for proper vertical control in topographic mapping.
*Borrow from* GS.

**Liberation of Rome** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
20 min., sd., b&w, 16 mm. (Campaign reports series)
Order no. CR 1.
*Summary:* Scenes of the entry of Allied troops into Rome in 1943 and of the population celebrating liberation of the city.
*Borrow from* Army. *Buy from* UWF.

**Libraries without bars** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
25 min., sd., b&w, 16 mm.
*Summary:* Shows modern improvements being made in Japanese libraries to stimulate interest in reading and to encourage appreciation of art, music, and literature. Prepared for use in occupied areas, particularly in Japan.
*Buy from* UWF.

**The Library of Congress** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
21 min., sd., b&w, 16 mm. (American scene series, no. 11)
*Summary:* Shows and explains the resources and services of the U. S. Library of Congress.
*Buy from* UWF.

**The life cycle of a malaria parasite** (*Filmstrip*) U. S. Public Health Service, 1948.
98 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. 5-089.
*Summary:* Explains through drawings the various stages in the life cycle of a malaria parasite in man, including taxonomic position, terminology, and the more obvious clinical effects of malaria.
*Borrow from* PHS.

**Life cycle of Diphyllobothrium latum** (*Motion picture*) U. S. Public Health Service, 1950.
17 min., sd., b&w, 16 mm.
Order no. 4-043.
*Summary:* Explains and traces by means of animation and photomicrography the life cycle of the broad tapeworm of man.
*Borrow from* PHS. *Buy from* UWF.

**Life cycle of endamoeba histolytica in dysenteric and nondysenteric amoebiasis** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., color, 16 mm.
Order no. MN 2517.
*Summary:* Shows the parasites as cysts in an ulcerated colon; and demonstrates by animation how the amoeba divides into eight amoebulae which move about, and how the amoebae enter the blood. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Life for the land** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.
20 min., sd., b&w, 16 mm.
*Summary:* Focuses upon agricultural development in India; scientific farming as taught by point four technicians; and an Indian farmer's doubts concerning new methods, and his later acceptance of these methods. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Lifeblood of the land** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
19 min., sd., color, 16 mm.
*Summary:* Explains that water and life itself depend upon forests; demonstrates the effects of overcutting, overgrazing, and erosion; and shows conservation practices.
*Rent from* DA film libraries.

**Lifeboats under gravity davits: Launching boats** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.
25 min., sd., b&w, 16 mm.
Order no. MN 7835-a.
*Summary:* Shows in detail the method of launching the merchant marine type of nested lifeboats using the "Welin gravity davit." Demonstrates methods of launching at dockside and while underway at sea.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Lifeboats under gravity davits: Recovering boats** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.
15 min., sd., b&w, 16 mm.
Order no. MN 7835-b.
*Summary:* Shows in detail the single method of recovering the merchant marine type of nested lifeboats using the "Welin gravity davit." Demonstrates an actual recovery.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Lifeline** (*Motion picture*) U. S. War Dept., 1943.
18 min., sd., b&w, 16 mm.
Order no. WF 10.
*Summary:* Gives a pictorial account of the opening attack against Rendova and Munda, and the Japanese counterattack. Shows the evacuation of American wounded and the importance of medical supplies.
*Borrow from* Army.

**Lift and drag** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
77 fr., b&w, 35 mm.
Order no. SN 805.
*Summary:* Explains the aerodynamic theories of lift and drag.
*Borrow from* Navy.

**Lifting templates for a foundation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Shipbuilding skills series. The shipfitter)
Order no. MN 2338-a.
Supplementary filmstrip of same title also available.
*Summary:* How to lift a template within the hull of a ship, and transfer the shape of the hull by use of measurements and cardboard.
*Borrow from* Navy. *Buy from* UWF.

**Lifting templates for a foundation** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
40 fr., b&w, 35 mm. (Shipbuilding skills series. The shipfitter)
Order no. SN 2338-n.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

Light mechanics series
see
Burnishing pivots
The eye loop holder
Making a cone point set screw
Making a fiddle bow
Making an anchor bolt
Making three steel staffs
Poising balance wheels
Removing and replacing balance wheel screws
Screws and plates
Sharpening hand gravers
Sharpening jewelers' screwdrivers and tweezers
Truing balance wheels
Turning brass with hand gravers. Part 1:
Turning, facing, chamfering, cut-off
Turning brass with hand gravers. Part 2:
Turning straight and square shoulders

Light mechanics series
see also
Prescription for work

**Light-sensitive materials** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., color, 16 mm. (Fundamentals of photography series)
Order no. MN 5385.
*Summary:* Physics of light and color; classification of light-sensitive materials according to light sensitivity, and composition of light-sensitive materials.
*Borrow from* Navy. *Buy from* UWF.

**Lighthouses and lightships** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm. (Aids to navigation series)
Order no. MN 202-aa.
*Summary:* Gives distinguishing characteristics of lighthouses and lightships. Illustrates fixed light, flashing light, fixed and flashing light, group flashing, occulting, and alternation of color flashes.
*Borrow from* Navy. *Buy from* UWF.

**Lights, running and anchor** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-c.
*Summary:* Shows inland and international rules for color of lights; position and visibility for masthead, side, range, and anchor lights; and lights displayed by vessels being overtaken.
*Borrow from* Navy. *Buy from* UWF.

**Lights, vessels being towed** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-f.
*Summary:* Inland light rules for barges and canal boats; scows; barges, scows, and nondescript vessels in New York harbor area; and dump scows in New York harbor.
*Borrow from* Navy. *Buy from* UWF.

**Lima** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm.
*Summary:* A tourist view of Lima including a sketch of its historical background and a discussion of its contemporary problems.
*Buy from* UWF.

**Line-up of field teletypewriter set EE–98A** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm.
Order no. TF 11–1839.
*Summary:* Demonstrates the step-by-step procedure for lining-up the field teletypewriter EE–98A; and emphasizes the importance of local and distant testing of the equipment.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Line-up procedure for tactical telegraph carrier equipment** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
8 min., sd., b&w, 16 mm.
Order no. TF 11–1837.
*Summary:* Demonstrates the procedure for setting up tactical telegraph carrier equipment for two wire operations, and emphasizes various tests to determine its operating efficiency.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Line-up procedure for tactical telephone carrier equipment** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
11 min., sd., b&w, 16 mm.
Order no. TF 11-1938.
*Summary:* Illustrates the procedure for lining up the terminal and ringer equipment and wiring the circuits; and emphasizes the need for synchronization between east and west terminals and the repeater station.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Linear equations in one unknown
see Beginning algebra I, lecture 11 [-13]:
Linear equations in one unknown

Linear equations in two unknowns
see Beginning algebra I, lecture 14 [-15]:
Linear equations in two unknowns

**Liner and piston** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Benchwork)
Order no. MN 3708-h.
*Summary:* How to inspect liner; disassemble piston rod assembly; inspect slipper rod assembly, piston assembly, and piston; and replace rings.
*Borrow from* Navy. *Buy from* UWF.

**The link sextant, air** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
16 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-x.
*Summary:* Explains the operating principle of the sextant and the reading of the vernier scale; shows two ways of making observations and how to grip the sextant when making observations.
*Borrow from* Navy. *Buy from* UWF.

**Liquid fertilizers** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
4 min., sd., b&w, 16 mm.
*Summary:* Shows how various types of liquid fertilizers are used, and equipment needed for farm application. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Liquid in motion** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
13 min., sd., b&w, 16 mm. (Elementary hydraulics series)
Order no. MN 1730-e.
*Summary:* Reviews the principles of liquids at rest, and defines and illustrates pressure energy and velocity energy. Explains energy output in relation to resistance to flow, and demonstrates the energy output variance with three different lengths of pipe.
*Borrow from* Navy.

**Listeriosis** (*Filmstrip*) U. S. Public Health Service, 1960.
45 fr., color, 35 mm.
With printed text and guide.
Order no. F 390.
*Summary:* A resumé in pictures of diagnostic characteristics of listeriosis from a clinical and a basteriological viewpoint. The text includes a description of the ecology and therapy of the disease in man and animals.
*Borrow from* PHS. *Buy from* UWF.

**Little John** (*Motion picture*) U. S. Dept. of the Army, 1960.
4 min., sd., color, 16 mm.
Order no. MF 45-9615.
*Summary:* Describes the features, capability, and first test firing of the Little John missile—a light weight, highly mobile, close support weapon. Depicts preparations for test firing, including assembly of the missile, missile checks, and mounting on straight rail launcher.
*Borrow from* Army. *Cleared for tv.*

**Little Smokey** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
12 min., sd., color, 16 mm.
*Summary:* Story of "Smokey," the bear cub found clinging to a charred tree after a forest fire in New Mexico and later taken to the National Zoo in Washington, D. C. Stresses the importance of forest first prevention.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The liver. Part 1: Normal histology of the human liver** (*Filmstrip*) U. S. Public Health Service, 1949.
121 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min. (The organs in health and disease series)
Order no. 5-106.1.
Composite presentation of material presented in three filmstrips with the subtitles: 1. The hepatic parenchyma and the biliary passages. 2. Vascularization of the liver. 3. Interrelationships of vessels and ducts.
*Summary:* Explains the structure, architecture, and vascularization of the liver as a basis for understanding the nature of diseases of the liver. Consists primarily of drawings. For medical students and personnel.
*Borrow from* PHS.

**The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages** (*Filmstrip*) U. S. Public Health Service, 1949.
60 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (The organs in health and disease series)
Order no. 5-106.2.
*Summary:* Portrays, through drawings, and explains the structure and function of the hepatic parenchyma and the biliary passages. For medical students and personnel.
*Borrow from* PHS.

**The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver** (*Filmstrip*) U. S. Public Health Service, 1949.
63 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (The organs in health and disease series)
Order no. 5-106.3.
*Summary:* Portrays, through drawings, and explains the arrangement, distribution, and activity of blood lymph vessels in the liver, and the dynamics of sinusoidal circulation. For medical students and personnel.
*Borrow from* PHS.

**The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts** (*Filmstrip*) U. S. Public Health Service, 1949.
39 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (The organs in health and disease series)
Order no. 5-106.4.
*Summary:* Portrays, through drawings and a few photographs, and explains the interrelationships of vessels and ducts in the liver. For medical students and personnel.
*Borrow from* PHS.

**Livestock cooperatives in action** (*Motion picture*) U. S. Dept. of Agriculture, 1950.
15 min., sd., color, 16 mm.
Revision of the 1942 film Marketing livestock cooperatively.
*Summary:* Traces the history and shows the services of livestock marketing cooperatives.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

Livestock series
see Farm work series. Livestock

**Living with limitations** (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.

20 min., sd., b&w, 16 mm.

*Summary:* Explains how three veterans suffering from arthritis, heart condition, and a trick knee, respectively, are returned to health through aid of the Veterans Administration; how VA physical, occupational, and educational therapists work cooperatively; and how the patients are helped through vocational rehabilitation in finding jobs suited to their physical limitations.

*Borrow from* VA.

**Locating and repairing leaks** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

17 min., sd., b&w, 16 mm. (Refrigeration service series. Domestic units, no. 3)

Order no. OE 440.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to test for sulphur dioxide and methyl chloride leaks; use the halide torch to locate freon leaks; and repair several types of leaks.

*Buy from* UWF.

**Locating and repairing leaks** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

38 fr., b&w, 35 mm. (Refrigeration service series. Domestic units, no. 3)

Order no. OE 440-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Locating holes drilling and tapping in cast iron** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 1)

Order no. OE 47.

Supplemented by filmstrip of the same title.

With instructor's manual.

*Summary:* How to lay out a bolt circle having eight holes; use the center punch as centers for drilling; and use a tapping chuck in tapping two of the holes for set screws.

*Buy from* UWF.

**Locating holes, drilling and tapping in cast iron** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

41 fr., b&w, 35 mm. (Machine shop work series. Operations on the drill press. Vertical drill, no. 1)

Order no. OE 47-fs.

Supplements motion picture of the same title.

With instructor's manual.

*Buy from* UWF.

**Location of decks and compartments** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Nomenclature of ships)

Order no. MN 2334-b.

Supplementary filmstrip of same title also available.

*Summary:* Explains number and letter designations and deck and compartment arrangement aboard ship.

*Borrow from* Navy. *Buy from* UWF.

**Location of decks and compartments** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

95 fr., b&w, 35 mm. (Shipbuilding skills series. Nomenclature of ships)

Order no. SN 2334-n.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**The locomotive air brake system** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

14 min., sd., b&w, 16 mm.

Order no. FB 55-271.

*Summary:* Discusses the locomotive air brake system, including the identification, location, and function of the air compressor, compressor valve, pump governor, high pressure and low pressure pipes, sand box, sand traps, U pipe, power reverse gear, distributing valve, and tank brake cylinder.

*Borrow from* Army.

**The log** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

35 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136-l, formerly SG 3883-l.

*Summary:* Describes 3 types of logs: taffrail, Kenyon, and pitometer.

*Buy from* UWF.

Logistics series
see
Navy materials handling: The fork truck
Navy materials handling: The unit load

**Lonesome road** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 3)

*Summary:* Animated cartoon, featuring the character Smokey Bear and the tune Lonesome road, emphasizing forest fire prevention. Prepared primarily for television.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The long cane. Part 1: Indoors** (*Motion picture*) U. S. Veterans Administration, 1954.

32 min., sd., b&w, 16 mm.

*Summary:* Covers some of the problems of veterans who lose their sight following discharge from the service. Demonstrates therapeutic methods in general and specific techniques of foot travel, including use of a long cane, physical re-training for mobility within the hospital, and preparation for advanced therapy.

*Borrow from* VA. *Buy from* UWF.

**The long cane. Part 2: Outdoors** (*Motion picture*) U. S. Veterans Administration, 1954.

32 min., sd., b&w, 16 mm.

*Summary:* Shows the therapy given blinded veterans in techniques of foot travel outside the hospital in uncontrolled areas, both residential and business, including uses of the long cane, sound detection, and problems related to public attitudes.

*Borrow from* VA. *Buy from* UWF.

**Long range navigation: Loran** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

20 min., sd., b&w, 16 mm.

Order no. TF 1-5228.

*Summary:* Explains the theory and operational principles of the Loran system and shows how to use the APN-70 receiver.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The long rifle** (*Motion picture*) U. S. Dept. of the Army, 1951.

11 min., sd., b&w, 16 mm.

Order no. MF 7871.

*Summary:* Makes the point that throughout the history of the United States, the "long rifle" of freedom has spoken out against tyranny; and compares American soldiers today with the "minute men" of the Revolutionary War.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Longer life for wood: The role of preservatives in protecting wood** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

17 min., sd., color, 16 mm.

*Summary:* Explains the economic advantages of using treated wood in construction where decay is likely to occur, and portrays commercial and home treatment of wood with preservatives.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**A look ahead** (*Motion picture*) U. S. Dept. of the Army, 1953.
27 min., sd., b&w, 16 mm.
Order no. MF 12-8201.
*Summary:* Presents the advantages and opportunities of a career in the U. S. Army.
*Borrow from* Army. *Cleared for tv.*

**A look at Soviet agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
18 min., sd., color, 16 mm.
*Summary:* Presents a report on the visit to the USSR by the USDA agricultural economics delegates. Shows farms, research stations, and agricultural enterprises in ten major farming regions, including the Crimea, Ukraine, Usbekistan, West Siberia, and the northwest region of Leningrad.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**A look at your Army** (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm.
Order no. MF 45-8652.
*Summary:* A message from General Maxwell D. Taylor, Chief of Staff, U. S. Army, to American soldiers and citizens, explaining the merits of a career in the Army.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Look to the river** (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1952.
20 min., sd., color, 16 mm.
*Summary:* Explains the integration of water resources and power needs in the Columbia River Basin and why such integration is necessary upon a regional basis. Includes scenes of Bonneville and Grand Coulee Dams in operation and of the construction of McNary and Hungry Horse Dams.
*Borrow from* BPA.

**Look to the skies** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by American Film Producers.
18 min., sd., b&w, 16 mm.
Order no. SFP 252.
*Summary:* Explains the importance of tactical air power in the support of ground forces in modern warfare, reviews recent developments, and shows new types of planes developed by the U. S. Air Force Tactical Air Command.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Look toward tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1960.
29 min., sd., color, 16 mm.
Order no. MF 20-9106.
*Summary:* Depicts the research and development facilities and the activities of the technical services of the Army—Signal, Ordnance, Engineers, Chemical, and Quartermaster. Highlights the role of the civilian scientist and engineer in the significant work accomplished and currently in progress. Explains the advantages of a civil service career as civilian scientist or engineer with the Army, with reference to wage scale, research facilities that are available, and the opportunities for advancement.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Looking ahead** (*Motion picture*) U. S. Social Security Administration, 1952. Produced by U. S. Dept. of Agriculture.
14 min., sd., b&w, 16 mm.
*Summary:* Pictures activities in a Social Security Administration district office at Salisbury, Md. Describes the kinds of people who visit such offices, their questions, and their treatment by SSA employees. Includes information on benefits provided under old age and survivors' insurance.
*Borrow from* SSA. *Cleared for tv.*

**Loran: Airborne operations** (*Motion picture*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Office of Education, 1946.
23 min., sd., b&w, 16 mm.
Order no. MN 2731-b.
*Summary:* Studies the peculiarities of loran signal patterns as they appear under actual operation. Explains the procedure for installing, aligning, and operating the gear.
*Borrow from* Navy.

**Loran: Basic principle of loran operation** (*Motion picture*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Office of Education, 1946.
12 min., sd., b&w, 16 mm.
Order no. MN 2731-a.
*Summary:* Notes radio activity in the ionosphere, and the qualities of sky and ground waves. Examines the basic principles of loran operation. Studies the relevant relation of loran master and slave stations. Explains that the master sends out the first impulse and the slave station follows, and shows how, from these points, the navigator can plot a fix.
*Borrow from* Navy.

**Loran comes to Batan** (*Motion picture*) U. S. Coast Guard, 1955.
28 min., sd., color, 16 mm.
*Summary:* Shows the construction by the U. S. Coast Guard of a loran station on the island of Batan in the Philippines.
*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Loran duty: a challenge** (*Motion picture*) U. S. Coast Guard, 1957.
28 min., sd., color, 16 mm.
*Summary:* Shows the physical appearance, locale, operations, duties, and recreation at Loran stations in the Arctic and Pacific areas. Also shows scenes of a coast-guardsman on leave in Tokyo, Japan.
*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Loran for ocean navigation** (*Motion picture*) U. S. Coast Guard, 1947.
20 min., sd., b&w, 16 mm.
*Summary:* Various uses of loran in ocean navigation.
*Borrow from* CG.

**The Lord's prayer** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
4 min., sd., b&w, 16 mm.
Order no. SFP 490.
Revision of the 1950 film of the same title.
*Summary:* Rendition of the Lord's prayer by the United States Air Force Singing Sergeants.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Lost river** (*Motion picture*) U. S. Bureau of Reclamation, 1952. Made by U. S. Dept. of Agriculture.
24 min., sd., b&w, 16 mm.
*Summary:* Explains that half of the water in irrigation systems in the West is lost through seepage, transpiration, faulty structures, and inefficient operation; and shows recommended irrigation methods at reservoirs, on canals and ditchbanks, and on farms.
*Borrow from* BR. *Buy from* UWF.

**Low ceilings and low visibilities** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.
40 fr., b&w, 35 mm.
Order no. FS 1-2527.
*Summary:* Describes the low visibility and low ceiling hazards to aerial flight; and explains the necessity for preflight planning and precautions for flight over regions of low visibility and low ceilings.
*Borrow from* AF. *Buy from* UWF.

**Low cost dairy improvement** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
5 min., sd., b&w, 16 mm.
*Summary:* Shows the low cost and labor-saving devices and methods developed to reduce cost of production without sacrificing quality of fluid milk output. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Low frequency Adcock radio range equipment and field patterns** (*Filmstrip*) U. S. Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
32 fr., b&w, 35 mm.
Order no. FS 1-528.
*Summary:* Describes the components of the low frequency Adcock radio range equipment and the theoretical field patterns produced by this equipment.
*Borrow from* AF.

Low pressure type series
see Distilling plants series. Low pressure type

**Lubrication** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.
30 min., sd., b&w, 16 mm.
Order no. 191.
*Summary:* Describes the theory of friction, varying degrees of friction, the value of lubrication, and different kinds of petroleum lubricants for different uses.
*Borrow from* BM. *Cleared for tv.*

**Lubrication of electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bill Sturm Studios.
9 min., sd., color, 16 mm.
Order no. MN 6942.
*Summary:* Explains the importance of routine and methodical lubrication of electronic equipment according to recommended procedures.
*Borrow from* Navy. *Buy from* UWF.

**Lumbar puncture** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.
13 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511-n.
*Summary:* Shows how to prepare a patient for a lumbar puncture; indicates the position of the patient; describes the operation; and by animation demonstrates what happens when the injection is made.
*Borrow from* Navy. *Buy from* UWF.

**Lumbar sympathectomy (Gangliorectomy)** (*Motion picture*) U. S. Dept. of the Army, 1948.
33 min., sd., color, 16 mm.
Order no. PMF 5076.
*Summary:* Shows various applications of a lumbar sympathectomy, and the types of conditions that are likely to be benefited by this operation. Demonstrates procainization of the structure to be removed; operative procedure followed; and in detail, the removal of the sympathetic chain. Also shows anatomic and physiologic defects produced by the removal of certain portions of the chain, and an ordinary anatomic demonstration on a cadaver. For medical personnel.
*Borrow from* Army.

**The lung. Part 1: Comparative anatomy and normal histology** (*Filmstrip*) U. S. Public Health Service, 1948.
106 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (The organs in health and disease series)
Order no. 5-[illegible]65.
*Summary:* Compares the respiratory systems of vertebrates and invertebrates and the relative efficiency of the avian and mammalian lungs; and explains the anatomy and histology of the human lung.
*Borrow from* PHS.

**Lung cancer: The problem of early diagnosis** (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1954. Made by Audio Productions.
28 min., sd., color, 16 mm.
With booklet.
*Summary:* Emphasizes the importance of periodic chest X-rays in the control of cancer of the lungs; shows by animation the history of lung cancer and the marked increase in its incidence; explains the diagnosis of lung cancer through illustrations of X-ray diagnostic procedures, the value of exfoliative cytology, the value of bronchoscopy, and an exploratory thoracotomy for biopsy of an unknown chest lesion. For professional audiences.
*Borrow from* NCI or ACS. *Buy from* ACS.

**The lyophilizer** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.
76 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Infectious hazards of bacteriological techniques, no. 5)
Order no. F 57-g.
*Summary:* Demonstrates how dangerous aerosols from cultures of infectious bacteria are liberated during the lyophilization and use of dried organisms, and recommends that lyophilization of highly infectious organisms be done in a ventilated cabinet.
*Borrow from* PHS. *Buy from* UWF.

# M

**MATS control teams for SAC movements: Organization and preparation** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 1-5037a.
*Summary:* Shows the teamwork that goes on behind the scenes of Strategic Air Command movements, including the responsibilities and functions of the various participating organizations and personnel.
*Borrow from* AF.

**MATS control teams for SAC movements: The results of planning** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
13 min., sd., b&w, 16 mm.
Order no. TF 1-5037b.
*Summary:* Shows what happens when a Strategic Air Command movement gets under way, and defines the responsibilities of the MATS operations officer, including communications, weather data, rerouting of aircraft, replacement of aircraft, refueling, cargo loading, passenger loading, etc.
*Borrow from* AF.

**The MATS transport control system** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
17 min., sd., b&w, 16 mm.
Order no. TF 1-5017.
*Summary:* Depicts the mission and five major objectives of the MATS transport control system.
*Borrow from* AF. *Cleared for tv.*

**MD–USN** (*Motion picture*) U. S. Navy Dept., 1957. Made by Dynamic Films.
43 min., sd., b&w, 16 mm.
Order no. MN 8406.
*Summary:* A view of the career of a medical officer, from his introduction to the service, through the years of internship, residency and surgical service, with a projection into his possible future. Tells his story, including much about his family life, the variety of his duty assignments, and his feelings about being a doctor in the U. S. [illegible]
*Borrow from* Navy.

**MP highway patrol in Germany** (*Motion picture*) U. S. Dept. of the Army, 1953.
10 min., sd., b&w, 16 mm.
Order no. FB 19-256.
*Summary:* Portrays U. S. Military Police operations on the Autobahn in Germany, including patrol of traffic, law enforcement, and first aid.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**MSTS Arctic operations, 1956** (*Motion picture*) U. S. Dept. of the Navy, 1957.
45 min., sd., color, 16 mm.
Order no. MN 8097.
*Summary:* Describes the functions and activities of the Military Sea Transportation Service in establishing DEW (distant early warning) line sites in the Arctic and resupplying other bases in Greenland, Labrador, Baffin Island, and Alaska.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**MSTS Arctic operations 1957** (*Motion picture*) U. S. Dept. of the Navy, 1958.
22 min., sd., color, 16 mm.
Order no. MN 8647-a.
*Summary:* Shows the re-supply by sealift of DEWLINE, SUNEC and the Pribiloff Islands, and the development of a practical northwest passage through Bellot Strait.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Machine countersunk flush rivets for aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1943.
15 min., si., b&w, 16 mm.
*Summary:* Shows test specimens, equipment, and methods used and discusses the general conclusions resulting from an investigation conducted by the NACA to determine possible improvements in the shear strength, the tightness, and the flushness of rivets in simple lap joints made by different methods of flush riveting. For technical personnel, to be used with NACA Wartime report L-294: A study of the tightness and flushness of machine-countersunk rivets for aircraft.
*Borrow from* NASA.

**Machine dishwashing, double tank** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.
11 min., sd., b&w, 16 mm.
Order no. MN 7461-c.
*Summary:* Outlines the steps in operating double-tank dishwashing machines, and stresses the importance of correct timing, cleaning the machine, and the proper use of detergents.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Machine dishwashing, single tank** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.
11 min., sd., b&w, 16 mm.
Order no. MN 7461-b.
*Summary:* Outlines the steps in operating single-tank dishwashing machines, and stresses the necessity for mechanical care, efficient operation, and thorough sanitary washing.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Machine molding series
see Foundry practice series. Machine molding

Machine shop work series. Basic machines
see
The drill press
The lathe
The milling machine
The shaper

Machine shop work series. Bench work
see
Centering small stock
Cutting threads with taps and dies
Fitting and scraping small bearings
Fundamentals of filing
Laying out small castings
Reaming with straight hand reamers
Reaming with taper hand reamers
Scraping flat surfaces

Machine shop work series. Carbide cutting tools
see
Brazing carbide tools
Cutting with carbide tools. Part 1: Single point
Cutting with carbide tools. Part 2: Milling cutters
Grinding multiple-point carbide tools
Grinding single-point carbide tools

Machine shop work series. Fundamentals of blueprint reading
see
Principal dimensions, reference surfaces and tolerances
Reading a drawing of a valve bonnet
Reading a three-view drawing
Sectional views and projections, finish marks
Visualizing an object

Machine shop work series. Operations on a broaching machine
see
Broaching an internal keyway
Double ram vertical surface broaching
Single ram vertical surface broaching

Machine shop work series. Operations on the centerless grinding machine
see
Endfeed grinding a tapered pin
Infeed grinding a shaft of two diameters
Infeed grinding shouldered work
Thrufeed grinding a straight pin, part 1
Thrufeed grinding a straight pin, part 2

Machine shop work series. Operations on the center-type grinder
see
Grinding a plain pin. Part 1: The grinding wheel
Grinding a plain pin. Part 2: Grinding operations
Grinding a slender shaft with back rest
Grinding a taper
Plunge cut grinding

Machine shop work series. Operations on the cutter grinder
see
Sharpening a form relieved cutter
Sharpening a plain helical milling cutter
Sharpening a shell end mill
Sharpening a side milling cutter
Sharpening an angular cutter

Machine shop work series. Operations on the drill press. Radial drill
see
Drilling and tapping cast steel
Drilling to a layout and spotfacing cast iron

Machine shop work series. Operations on the drill press. Sensitive drill
see
Drilling a hole in a pin

Machine shop work series. Operations on the drill press. Vertical drill
see
Countersinking, counterboring, and spotfacing
Locating holes, drilling and tapping in cast iron

Machine shop work series. Operations on the engine lathe
see
Boring to close tolerances
Cutting a taper with the compound rest and with a taper attachment
Cutting an external acme thread
Cutting an external national fine thread
Cutting an internal acme thread
Cutting an internal taper pipe thread
Drilling, boring, and reaming work held in chuck
Machining work held in chuck: Use of reference surfaces
Rough turning between centers
Turning a taper with the tailstock set over
Turning work held on a fixture
Turning work held on a mandrel
Turning work of two diameters
Using a boring bar between centers: Work held on carriage
Using a follower rest
Using a steady rest
Using a steady rest when boring

Machine shop work series. Operations on the gear hobbing machine
see
Hobbing a helical gear: Two cuts, nondifferential method
Hobbing a spur gear. Part 1: Setting up the change gears
Hobbing a spur gear. Part 2: Setting up and hobbing the work
Hobbing a square tooth spline shaft
Hobbing a worm gear: Infeed method

Machine shop work series. Operations on the horizontal boring mill
see
Contour face milling
Drilling, tapping, stub-boring, and reaming
Face milling with a fixture
Rough line-boring
Setup for face milling with a fixture
Setup for rough line-boring

Machine shop work series. Operations on the internal grinder
see
Grinding a deep hole
Grinding a straight hole
Grinding and facing a blind hole

Machine shop work series. Operations on the metal cutting band saw
see
Filing and internal irregular shape

Machine shop work series. Operations on the milling machine
see
Boring holes with offset boring head
Cutting a short rack
Cutting keyways
Milling a helical cutter
Milling a template
The milling machine
Straddle and surface milling to close tolerances
Straddle milling

Machine shop work series. Operations on the planer
see
Planing a dovetail slide
Planing a flat surface

Machine shop work series. Operations on the shaper
see
Cutting a keyway on end of a finished shaft
Machining a cast iron rectangular block
Machining a tool steel V block

Machine shop work series. Operations on the surface grinder
see
Grinding a parallel bar. Part 1: Setting up the machine
Grinding a parallel bar. Part 2: Grinding operations
Grinding a template
Grinding a V block
Grinding thin discs

Machine shop work series. Operations on the turret lathe
see
Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner
Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper
Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head
Chuck work. Part 1: Setting up hexagon turret tools
Chuck work. Part 2: Setting up tools for combined cuts
Setting up and machining bar stock
The turret lathe, an introduction

Machine shop work series. Operations on the vertical boring mill
see
Facing, turning, boring, grooving, and chamfering
Rough-facing, boring, and turning a shoulder
Rough-facing, turning and drilling

Machine shop work series. Operations on the vertical milling machine
see
Cutting a dovetail taper slide
Cutting a round end keyway
Cutting teeth on a worm gear
Milling a circular T-slot
Milling a helical groove
Using a shell end mill

Machine shop work series. Precision measurement
see
The bevel protractor
Fixed gages
Gage blocks and accessories
Height gages and test indicators
The micrometer
Precision gage blocks
The steel rule

Machine shop work series. Single point cutting tools
see
Fundamentals of end cutting tools
Fundamentals of side cutting tools

Machine tools series
see
The lathe
The milling machine
Planers
The shaper

**Machine transcription: Machine operation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
15 min., sd., b&w, 16 mm.
Order no. MN 1562–a.
*Summary:* Explains the purpose of dictating and transcribing machines, and demonstrates the operation of the dictaphone and ediphone types.
*Borrow from* Navy. *Buy from* UWF.

**Machine transcription: Transcription technique** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
21 min., sd., b&w, 16 mm.
Order no. MN 1562–b.
*Summary:* How to phrase dictation at various speeds; prepare for a day's work; compose a letter; and correct errors in the transcriptions on the cylinder. "Do's" and "don'ts" of good transcription.
*Borrow from* Navy. *Buy from* UWF.

**Machining a cast iron rectangular block** (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.
25 min., sd., b&w, 13 mm. (Machine shop work series. Operations on the shaper, no. 2)
Order no. OE 20.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set the shaper ram stroke; adjust the shaper table, vise, vertical feed, head feed, and cross-feed; and set up a rectangular cast iron block and machine all six sides to dimensions and square with each other.
*Buy from* UWF.

**Machining a cast iron rectangular block** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
52 fr., b&w, 35 mm. (Machine shop work series. Operations on the shaper, no. 2)
Order no. OE 20–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Machining a tool steel V block** (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.
21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the shaper, no. 3)
Order no. OE 21.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to lay out work for machining on a shaper; set up and position the ram stroke; and machine V grooves and rectangular slots.
*Buy from* UWF.

**Machining a tool steel V block** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
33 fr., b&w, 35 mm. (Machine shop work series. Operations on the shaper, no. 3)
Order no. OE 21–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Machining laminated plastics** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
19 min., sd., b&w, 16 mm. (Plastics series, no. 10)
Order no. OE 475.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to machine a typical laminated part; cut the tube stock to length on a circular saw, turn the outside diameters on a lathe; machine inside diameters by boring with a lathe; and finish the machining on a milling machine.
*Buy from* UWF.

**Machining laminated plastics** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
39 fr., b&w, 35 mm. (Plastics series, no. 10)
Order no. OE 475–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Machining work held in chuck: Use of reference surfaces** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 12)
Order no. OE 60.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to select and machine surfaces to be used for reference; set up a workpiece accurately to the reference surfaces in a lathe chuck; and use a boring bar to machine several internal surfaces.
*Buy from* UWF.

**Machining work held in chuck: Use of reference surfaces** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 12)
Order no. OE 60–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Machining work held in chuck: Use of reference
surfaces
see also
Elaboração de uma peça no prato ou bucha

**Made in occupied Japan** (*Motion picture*) U. S. Dept. of the Army, 1949.
14 min., sd., b&w, 16 mm.
Order no. MF 45–7561.
*Summary:* Story of the revival of the pottery industry in Japan, demonstrating the various processes involved in making pottery.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Magic chicken** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
4 min., sd., b&w, 16 mm.
*Summary:* Shows research conducted in developing cross-bred chickens, and how male and female chicks can be separated by feather color differences at hatching times. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

Magnesium, metal from the sea
see
This is magnesium

**The magnetic bottle** (*Motion picture*) U. S. Information Agency, 1958. Made by Atomic Energy Commission. Released for public educational use in the United States through U. S. Office of Education, 1959.
11 min., sd., color, 16 mm.
*Summary:* Shows how science, through research, is attempting to attain and control a fusion process for the development of unlimited hydrogen power for agriculture and industry. Describes, through the use of animated drawings, experimental fusion machines in the new magnetic pressure field. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The magnetic compass** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
39 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136–b, formerly SG 3883–b.
*Summary:* Explains the construction and operation of the magnetic compass.
*Buy from* UWF.

**Magnetic waters** (*Motion picture*) U. S. Army Engineers, 1957.
14 min., sd., color, 16 mm.
*Summary:* Depicts growth and industrial stimulus resulting from the increasing public interest in the development of water resources by the Army Corps of Engineers in eastern Oklahoma and northern Texas.
*Borrow from* Eng. *Cleared for tv.*

**Maintaining garden freshness in fruits and vegetables** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
29 double fr., color, 35 mm.
Order no. C–48.
With lecture notes.
*Summary:* Shows the effect of temperature moisture and handling practices on fresh fruits and vegetable quality, including suggestions and recommendations for storing, prepackaging, and displaying so as to extend shelf life and reduce deterioration.
*Buy from* PhotoLab.

**Maintaining good voltage on rural distribution lines** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
37 min., sd., b&w, 16 mm.
*Summary:* An electrical engineer explains, through blackboard illustrations, methods that may be used to evaluate voltage conditions on rural distributive systems of electricity, and suggests means for voltage improvement. Prepared for the training of employees of rural electrification cooperatives.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Maintaining good working conditions** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
9 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 152.
With instructor's manual.
*Summary:* Two supervisors describe specific ways, dramatically reenacted, which they used in improving working conditions.
*Buy from* UWF.

**Maintaining high level agricultural exports** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
60 double fr., color, 35 mm.
Order no. C–61
With lecture notes.
*Summary:* Shows the level and significance of United States agricultural exports and the situation by commodities.
*Buy from* PhotoLab.

**Maintaining quality standards** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 164.
With instructor's manual.
*Summary:* A supervisor learns that quality as well as quantity production is necessary, and how such quality standards can be achieved and maintained.
*Buy from* UWF.

**Maintaining the HLT training type helicopter: Rotor systems and related controls** (*Motion picture*) U. S. Dept. of the Navy, 1952.
24 min., sd., b&w, 16 mm.
Order no. FN 7397–a.
*Summary:* Illustrates basic steps in maintenance procedures on the HLT–5 single main rotor helicopter, and shows removal, balancing, and reinstallation of both the main and tail rotors, as well as adjustment of the cyclic, collective pitch, and rudder controls.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Maintaining the HUP service type helicopter: Rotor systems and related controls** (*Motion picture*) U. S. Dept. of the Navy, 1952.
16 min., sd., b&w, 16 mm.
Order no. FN 7397–b.
*Summary:* Illustrates basic steps in the removal of rotor blades and hub, snubbers, flap restrainers, and dampers; and shows procedures for setting blade angle of incidence and checking control cable tensions.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Maintaining workers' interest** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 159.
With instructor's manual.
*Summary:* Dramatized instances of employees doing poor work because their jobs do not interest them, and what the supervisor should do to detect and remedy such situations.
*Buy from* UWF.

**Maintenance and management of USAF vehicles** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
21 min., sd., b&w, 16 mm.
Order no TF 1–5329.
*Summary:* Explains the vehicle maintenance program and the importance of vehicles in Air Force operations. Discusses various shop operations, duties of the maintenance officer, and functions of key personnel. Shows the case history of a vehicle undergoing inspection and maintenance.
*Borrow from* AF. *Buy from* UWF.

**Maintenance and repair of steam condensers: Circulating water side** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. FN 6733.
*Summary:* Explains the principle and operation of the steam condenser, and shows the procedures of preparing, cleaning, inspecting, repairing, and testing a condenser.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Maintenance of installed petroleum facilities** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
23 min., sd., b&w, 16 mm.
Order no. TF 1-5114.
*Summary:* Shows steps in the preventive maintenance of the hydrant fuel dispensing system, including changing micronic filters in the filter fuel pit, cleaning the micronic tank, and servicing the pressure control valve on standard equipment; and on latest equipment, servicing the refueling and excess flow control valve and defueling flow valve, rate of flow valve, and pressure relief valve. Emphasizes safety precautions.
*Borrow from* AF. *Cleared for tv.*

**Maintenance of office machines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
37 min., sd., b&w, 16 mm.
Order no. MN 1513.
*Summary:* Care and maintenance of typewriters, transcribing machines, dictaphones, adding machines, and calculators.
*Borrow from* Navy. *Buy from* UWF.

**Maintenance of plexiglass and lucite** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.
38 min., sd., b&w, 16 mm.
Order no. MN 2218-b.
*Summary:* Demonstrates how to clean plexiglas and lucite using soap and water and recommended cleaning fluids; and shows how to remove scratches and repair a crack or bullet hole.
*Borrow from* Navy. *Buy from* UWF.

**Maintenance of storage batteries** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.
52 fr., b&w, 35 mm.
Order no. SN 931.
*Summary:* Shows proper methods of installing a storage battery and of maintaining it by periodic inspections and servicing.
*Borrow from* Navy. *Buy from* UWF.

**Maintenance tank cleaning: Butterworth method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
31 min., sd., b&w, 16 mm. (Navy tank cleaning procedures series)
Order no. MN 6689-a.
*Summary:* Explains how purposes govern procedures to be followed and shows basic techniques in applying Butterworth method.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Make mine chicken** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1957.
4 min., sd., b&w, 16 mm.
*Summary:* Describes various uses of chicken in meals, discusses five basic cooking methods, and portrays different preparations.
*Rent from* DA film libraries. *Cleared for tv.*

**Making a center punch** (*Motion picture*) U. S. Veterans Administration, 1949.
13 min., sd., b&w, 16 mm. (Light mechanics series, no. 13)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Shows the grinding of a simple form cutting tool and the use of this tool in turning a center punch on a lathe.
*Borrow from* VA. *Buy from* UWF.

**Making a cold bend on a hand powered machine** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
13 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 4)
Order no. OE 108.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Importance of bends in marine pipe installation; how to measure pipe for bends; and operate a hand-bending machine.
*Buy from* UWF.

**Making a cold bend on a hand powered machine** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
49 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 4)
Order no. OE 108-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making a cone point set screw** (*Motion picture*) U. S. Veterans Administration, 1949.
8 min., sd., b&w, 16 mm. (Light mechanics series, no. 12)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to make a cone point set screw from carbon steel rod stock, including turning the point on a lathe, threading the screw, and making the screw head.
*Borrow from* VA. *Buy from* UWF.

**Making a core box for a flanged pipe elbow** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
21 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 10)
Order no. OE 330.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use a pattern layout in making a core box: design a core box; lay out a curved core piece; turn the core cavity in a curved piece; assemble a core box having a curved core piece; and finish the core box.
*Buy from* UWF.

**Making a core box for a flanged pipe elbow** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
40 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 10)
Order no. OE 329-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a core box for a flanged pipe elbow
see also
Fabrication d'une boîte à noyaux pour un coude de tuyau à brides

**Making a core box for a machine base** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
12 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 334.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a patternmaker, working from a casting, goes about the job of designing a core box; examines the casting; visualizes the problem; makes the layout; and constructs the pattern and core boxes.
*Buy from* UWF.

**Making a core box for a machine base** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
26 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 334–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a core box for a machine base
see also
Fabrication d'une boîte à noyaux pour une base de machine

**Making a core box for a tail print** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
18 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4A)
Order no. OE 350.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use dry sand cores to molding holes in castings; use pattern layout to make a core box; distinguish between core and core print; lay out the core print; add the core; and determine parting line of a core box.
*Buy from* UWF.

**Making a core box for a tail print** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
34 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4A)
Order no. OE 350–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a core box for a tail print
see also
Fabrication d'une boîte à noyaux pour une portée à talon

**Making a core box for a vertical core** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 9)
Order no. OE 329.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Function of the sand core; how to make a half box; use parted boxes; use layout pattern in making a core box; prepare core box pieces; and assemble a core box.
*Buy from* UWF.

**Making a core box for a vertical core** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
32 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 9)
Order no. 329–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a core box for a vertical core
see also
Fabrication d'une boîte à noyaux pour un noyau vertical

**Making a fiddle bow** (*Motion picture*) U. S. Veterans Administration, 1949.
8 min., sd., b&w, 16 mm. (Light mechanics series, no. 8)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Illustrates the making, with simple hand tools, of a fiddle bow, an instrument used to suply power by hand for the operation of a dead center lathe or pivot polisher used in making and repairing watches, instruments, and other timing devices.
*Borrow from* VA. *Buy from* UWF.

**Making a five tuck splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
26 min., sd., b&w, 16 mm. (Aircraft work series. Control cables, no. 2)
Order no. OE 143.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to prepare the cable for splicing; make the first tuck and the four succeeding tucks; and taper, set, serve, and shellac the splice.
*Buy from* UWF.

**Making a five tuck splice** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
58 fr., b&w, 35 mm. (Aircraft work series. Control cables, no. 2)
Order no. OE 143–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making a girl's dress** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.
65 fr., b&w, 35 mm.
Order no. 694.
*Summary:* Shows step-by-step the processes in making a girl's dress, including a plan of working by units.
*Buy from* PhotoLab.

**Making a hot bend** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)
Order no. MN 2337–c.
Supplementary filmstrip of same title also available.
*Summary:* Shows by diagrams and demonstration how to select pipe, pack with sand, heat, and bend.
*Borrow from* Navy. *Buy from* UWF.

**Making a hot bend** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.
42 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting)
Order no. SN 2337–o.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Making a master contour template** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
18 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 1)
Order no. OE 125.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Purpose of a master contour template; how to transfer a line from a linesboard to a piece of sheet metal; measure and record bevel angles; and the importance of frequent checks for accuracy.
*Buy from* UWF.

**Making a master contour template** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
34 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 1)
Order no. OE 125–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making a master developed layout, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
20 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 2)
Order no. OE 126.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make the complete pattern or master developed layout for a bulkhead in an airplane fin, using a master contour template.
*Buy from* UWF.

**Making a master developed layout, part 1** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
36 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 2)
Order no. OE 126-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making a master developed layout, part 2; and making the form block** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
16 min., sd., b&w, 16 mm. (Aircraft work series. Templates, no. 3)
Order no. OE 127.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to complete the master developed layout by calculating and scribing the form block lines; how to make the form block.
*Buy from* UWF.

**Making a master developed layout, part 2; and making the form block** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
50 fr., b&w, 35 mm. (Aircraft work series. Templates, no. 3)
Order no. OE 127-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making a matchboard pattern** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
21 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 8)
Order no. OE 328.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to sketch a matchboard; make the patterns; prepare gates to connect patterns; prepare the runner for the cope side; assemble the matchboard; turn a draft taper on a hole; and attach flask fixtures.
*Buy from* UWF.

**Making a matchboard pattern** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
41 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 8)
Order no. OE 328-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a matchboard pattern
see also
Fabrication d'une plaque-modèle

**Making a one-piece flat pattern** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
22 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 1)
Order no. OE 321.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to identify the parts of the molding flask; use shrinkage rules; prepare a pattern layout; prepare the pieces that make up a pattern; make identical castings; and finish the patterns.
*Buy from* UWF.

**Making a one-piece flat pattern** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
37 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 1)
Order no. OE 321-fs.
With instructors manual. Supplements motion picture of the same title.
*Buy from* UWF.

Making a one-piece flat pattern
see also
Fabrication d'un modèle plat d'une pièce

**Making a pattern for a flanged pipe elbow** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.
18 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 7)
Order no. OE 327.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to make a right-angle layout; turn out separate core prints; make split flanges; set flanges into core prints; assemble half the pattern on the layout; dowel an elbow pattern; apply leather fillets.
*Buy from* UWF.

**Making a pattern for a flanged pipe elbow** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.
41 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 7)
Order no. OE 327-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

Making a pattern for a flanged pipe elbow
see also
Fabrication d'un modèle pour un coude de tuyau
à brides

**Making a pattern for a machine molded steel globe and angle valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
14 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 340.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How machine molding affects pattern design; how a patternmaker designs and constructs a pattern for a valve body, including the gating system.
*Buy from* UWF.

**Making a pattern for a machine molded steel globe and angle valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
36 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 340-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a pattern for a machine molded steel globe and angle valve
see also
Fabrication du modèle d'une soupage sphérique
d'équerre en acier, moulée mécaniquement

**Making a pattern for a three-part mold** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.
20 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 6)
Order no. OE 326.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Reasons for the three-part pattern; how to make the layout; segment the body or center section; eliminate end grain on large flanges; and turn large work on the end of the lathe.
*Buy from* UWF.

**Making a pattern for a three-part mold** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.
40 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 6)
Order no. OE 326-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a pattern for a three-part mold
see also
Fabrication d'un modèle pour un moule en trois parties

**Making a pattern requiring box construction** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 333.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a patternmaker approaches the task of making a pattern for a duplicate of a casting; examines and measures the casting; visualizes the problem; and constructs the pattern.
*Buy from* UWF.

**Making a pattern requiring box construction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
31 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 333-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a pattern requiring box construction
see also
Fabrication d'un modèle exigeant la construction d'un châssis

**Making a pattern requiring cover core** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
14 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 332.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How molding and coring problems lead to the choice of a cover core; how a patternmaker designs a pattern (and core boxes) requiring a cover core; designs a cover print; and constructs a pattern for a cover pulley.
*Buy from* UWF.

**Making a pattern requiring cover core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
35 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 332-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a pattern requiring cover core
see also
Fabrication d'un modèle avec un noyau à renflement

**Making a pattern requiring segmental construction** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
13 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 335.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Why segmental construction is a preferred method for some patterns; how a patternmaker designs and constructs a pattern for a gear blank which requires segmental construction.
*Buy from* UWF.

**Making a pattern requiring segmental construction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
30 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 335-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a pattern requiring segmental construction
see also
Fabrication d'un modèle exigeant la construction segmentaire

**Making a pattern using a green and a dry sand core** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
14 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 331.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a green sand core is molded; how a patternmaker determines when to allow for a green sand core, designs a pattern allowing for a green sand core, and visualizes and constructs a particular pattern.
*Buy from* UWF.

**Making a pattern using a green and a dry sand core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
31 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 331-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making a pattern using a green and a dry sand core
see also
Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec

**Making a pattern with a horizontal core** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.
14 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 3)
Order no. OE 323.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* When to use a horizontal core; how to allow for shrinkage in bronze; lay out fillets; make horizontal core prints; true up a parting plane; dowel a pattern with a horizontal core; and turn crusher strips.
*Buy from* UWF.

**Making a pattern with a horizontal core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

41 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 3)

Order no. OE 323–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Making a pattern with a horizontal core
see also
Fabrication d'un modèle avec un noyau horizontal

**Making a pattern with a tail print** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

13 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4)

Order no. OE 324.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to mold castings with holes; make a rough sketch for visualizing the actual casting; use dry sand cores; form core cavities by using tail prints; and make a layout including tail prints.

*Buy from* UWF.

**Making a pattern with a tail print** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

31 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 4)

Order no. OE 324–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Making a pattern with a tail print
see also
Fabrication d'un modèle avec une portée à
talon

**Making a pattern with a vertical core** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

14 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 2)

Order no. OE 322.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Importance of making a preliminary sketch; how to make the layout; allow for shrinkage; allow for finish; lay out the core prints; use the layout; assemble the pattern; allow for draft; and shellac [illegible] pattern.

*Buy from* UWF.

**Making a pattern with a vertical core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

46 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 2)

Order no. OE 322–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Making a pattern with a vertical core
see also
Fabrication d'un modèle avec un noyau vertical

**Making a recovery bed** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

10 min., sd., b&w, 16 mm. (Basic nursing care series)

Order no. MN 8576–b.

*Summary:* Demonstrates the procedure to be followed and the equipment and supplies needed to arrange a bed unit in the hospital ward or room to ensure a safe, warm, comfortable bed for the patient returning from surgery.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Making a segmented pattern** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

22 min., sd., b&w, 16 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 5)

Order no. OE 325.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to plan segmentation of pattern; lay out segments and web; assemble the pattern; prepare a recessed hub; and finish the pattern.

*Buy from* UWF.

**Making a segmented pattern** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

52 fr., b&w, 35 mm. (Precision wood machining series. Fundamentals of patternmaking, no. 5)

Order no. OE 325–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Making a segmented pattern
see also
Fabrication d'un modèle segmenté

**Making a simple core** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

15 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 2)

Order no. OE 424.

Supplementary filmstrip of same title also issued.

With instructor's manual.

*Summary:* Demonstrates how to prepare sand for coremaking; make a small cylindrical core in either one or two pieces; assemble a two-piece core; locate a vertical core in a mold to provide necessary venting. Shows how core gases escape when a mold is poured.

*Buy from* UWF.

**Making a simple core** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

31 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 2)

Order no. OE 424–fs.

Supplements motion picture of same title.

With instructor's manual.

*Buy from* UWF.

Making a simple core
see also
Confection d'un noyau simple

**Making a wire template** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting)

Order no. MN 2337–b.

Supplementary filmstrip of same title also available.

*Summary:* Shows how to draw lay-out measurements with and without blueprints, transfer blueprints, find the radius with a beam compass, and bend a template.

*Borrow from* Navy. *Buy from* UWF.

**Making a wire template** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

23 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting)

Order no. SN 2337–n.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**Making a wrapped and soldered splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
15 min., sd., b&w, 16 mm. (Aircraft work series. Control cables, no. 1)
Order no. OE 144.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make a ball soldered terminal; prevent the wires from unlaying when cut; fit a cable to a thimble; and make the wire wrap.
*Buy from* UWF.

**Making a wrapped and soldered splice** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
35 fr., b&w, 35 mm. (Aircraft work series. Control cables, no. 1)
Order no. OE 144–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making an anchor bolt** (*Motion picture*) U. S. Veterans Administration, 1949.
9 min., sd., b&w, 16 mm. (Light mechanics series, no. 15)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to use a lathe to make an anchor bolt from cold rolled steel.
*Borrow from* VA. *Buy from* UWF.

**Making an unoccupied bed** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
14 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576–a.
*Summary:* Demonstrates the procedures to be followed and the equipment and supplies needed to arrange a bed unit in a hospital ward or room.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Making and repairing tubing connections** (*Motion picture*) U. S. Office of Education, 1944. Made by Anson Bond Productions.
18 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 5)
Order no. OE 452.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to straighten copper tubing; work, cut, and dress copper tubing; make a flare for various sizes of tubing; and sweat in a connector to cover a break.
*Buy from* UWF.

**Making and repairing tubing connections** (*Filmstrip*) U. S. Office of Education, 1944. Made by Anson Bond Productions.
40 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 5)
Order no. OE 452–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making insert patches** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
16 fr., b&w, 35 mm. (Fabric repairs series)
Order no. SN 1994–c.
*Summary:* Shows how insert patches are made in airplane fabric; how the fabric should be prepared and a patch cut and applied to the fabric.
*Borrow from* Navy. *Buy from* UWF.

**The making of a West Pointer** (*Motion picture*) U. S. Dept. of the Army, 1955.
40 min., sd., color, 16 mm.
Order no. MF 45–8521.
*Summary:* Explains the origin and mission of the U. S. Military Academy, its traditions and ceremonies, and the course of study and recreational activities afforded its students.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Making pattern, core boxes, and assembling cores for a water-cooled motor block** .(*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 339.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a patternmaker constructs the pattern and master core boxes; checks the working core boxes; pastes up and assembles test cores.
*Buy from* UWF.

**Making pattern, core boxes, and assembling cores for a water-cooled motor block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
32 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 339–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Making pattern, core boxes, and assembling cores for
a water-cooled motor block
see also
Fabrication d'un modèle, de boîtes à noyaux, et
assemblage de noyaux pour un bloc de moteur
refroidi à l'eau

**Making sheet metal repairs** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
19 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 252.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to remove damaged area around hole and lay out trim lines; prepare hole to receive patch; "bump" out plug and doubler; mark and drill plug and doubler; and rivet completed patch to part.
*Buy from* UWF.

**Making sheet metal repairs** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
34 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 252–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Making the march graph** (*Filmstrip*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
54 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 55–10.
*Summary:* Explains the use, preparation, and interpretation of the march graph used in planning motor vehicle movements and foot marches of soldiers. Emphasizes the methods and procedures used in constructing simplex and complex march graphs.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Making the occupied bed** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.
15 mm., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8576–c.
*Summary:* Demonstrates the procedure to be followed and the supplies and equipment needed to arrange a bed unit in the hospital room or ward while the bed is occupied by a patient.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Making three steel staffs** (*Motion picture*) U. S. Veterans Administration, 1949.
6 min., sd., b&w, 16 mm. (Light mechanics series, no. 14)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates techniques in the turning of steel on a lathe and the grinding of special cutting tools.
*Borrow from* VA. *Buy from* UWF.

**Making useful articles from coconut material** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
88 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Castaway series)
Order no. SN 2[illegible]c.
*Summary:* Explains the many ways in which a coconut tree may be useful to a castaway, including use of the fronds in making shelters.
*Borrow from* Navy. *Buy from* UWF.

**Malaria control on Corsica** (*Motion picture*) U. S. War Dept., 1945.
13 min., sd., b&w, 16 mm.
Order no. FB 8-200.
*Summary:* Describes mosquito control measures taken for the prevention of malaria on Corsica, showing the destruction of breeding places, killing with sprays, screening, and individual protection.
*Borrow from* Army.

**Malaria control on impounded waters** (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.
19 min., sd., color, 16 mm.
Order no. 4-069.1.
*Summary:* Depicts the malaria control program for the Kentucky reservoir—planning operations; reservoir clearance before impoundage; permanent control measures including dyking and dewatering; emergency control measures including house mosquito-proofing and spraying; and reservoir operations.
*Borrow from* PHS: *Buy from* UWF.

Malaria control series
see
Concrete ditching for malaria control
DDT as a mosquito larvicide
Dynamite
Experimental malaria transmission
Pole drainage
Preparation and staining of blood films
Staining blood films for malaria parasite examination
The use of aircraft for insect control. Part 1: Mosquito control

**Malaria eradication** (*Motion picture*) U. S. Information Agency, 1958. Made by Lew Pollack Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.
17 min., sd., b&w, 16 mm.
*Summary:* Depicts and explains the history and living habits of the anopheles mosquito—carrier of malaria; outlines preventive measures that can be and are being taken by such organizations as the World Health Organization, International Cooperation Administration, United Nations Children's Fund, Pan American Sanitary Organization, and public health services of infected areas of the world to conquer and wipe out this parasite. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Malaria; guerra ao mosquito** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
Portuguese version of Winged scourge.
*Summary:* Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Malignant oral tumors** (*Motion picture*) U. S. Dept. of the Army, 1950.
40 min., sd., color, 16 mm.
Order no. PMF 5137.
*Summary:* Gives the history, diagnosis, characteristics, treatment, and results of various cases of malignant oral tumors. For professional personnel.
*Borrow from* Army. *Buy from* UWF.

**Malta revisited** (*Motion picture*) U. S. Dept. of the Navy, 1955.
28 min., sd., color, 16 mm.
Order no. MN 8164.
*Summary:* Depicts activities of Naval Air Reserve training units, including the global air cruise of one squadron, the VP 741.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mammaplasty** (*Motion picture*) U. S. Dept. of the Navy, 1958.
20 min., sd., color, 16 mm.
Order no. MED 5-58.
*Summary:* A technical report of a young female afflicted with heavy, pendulous breasts that were completely reconstructed by use of the McIndoe modification of the original Biesenberger operation in one stage. Demonstrates indications for mammaplasty and basic measurements to govern placement of new nipple positions. Shows complete procedure of reconstruction of the right breast with inserts of parts of the procedure on the left breast for purposes of emphasis. Results of the operation are demonstrated four weeks and six months post-operatively.
*Borrow from* Navy.

**The man behind the badge** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
24 min., sd., b&w, 16 mm.
Order no. SEP 356.
*Summary:* Dramatizes the story of an attempt to sabotage B-47's at an Air Force base with the saboteurs being caught by alert air police and an effective security system.
*Borrow from* AF. *Cleared for tv.*

**The man in two places** (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. MF 45-8712.
*Summary:* A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power for peace. Traces the development and increasing importance of mobility in warfare from the Revolutionary era to the policing action in Korea.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The man on the Hill** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
22 min., sd., color, 16 mm.
Order no. AFIF 79.
*Summary:* Presents a typical day in the life of a member of Congress, and urges all members of the Armed Forces to become familiar with the issues and candidates in forthcoming elections, and to vote.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

The man on the Hill
see also
Your Congressman at work

**Man overboard emergency drill** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Hal Reiff Studio. Released for public educational use through U. S. Office of Education, 1948.
20 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 20 min.
Order no. SN 370.
*Summary:* Demonstrates procedures involved in rescuing a man overboard, including the launching of a boat, signaling, and securing the boat after rescue.
*Borrow from* Navy. *Buy from* UWF.

**Man with a mission** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. MF 140-7800.
*Summary:* Story of a typical member of the Organized Reserve Corps and his training in all fields; explains opportunities offered to young men by the Organized Reserve Corps.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The man with the torque wrench** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
10 min., sd., b&w, 16 mm.
Order no. TF 1-5214.
*Summary:* Demonstrates proper use of torquing equipment, emphasizes the importance of torquing and the serious consequences that may result from improper torquing, and shows different types of torque wrenches used by the Air Force.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Management and technique of pulmonary lobectomy** (*Motion picture*) U. S. Dept. of the Army, 1947.
31 min., sd., color, 16 mm.
Order no. PMF 5065.
*Summary:* Demonstrates the diagnosis of bronchiectasis through clinical manifestations and bronchograms, and shows extirpation of diseased lung tissue.
*Borrow from* Army.

**Management concepts of depot maintenance** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
32 min., sd., b&w, 16 mm.
Order no. SFP 480.
*Summary:* Explains the principles of the maintenance engineering management program developed by the Air Matériel Command to insure effective control of resources and production.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Management of abdominal colostomies (intraperitoneal closures)** (*Motion picture*) U. S. Dept. of the Army, 1947.
22 min., sd., color, 16 mm.
Order no. PMF 5008.
*Summary:* Records cases of abdominal colostomies encountered during World War II. Explains the factors essential to an evaluation of each type, and the resultant method of surgical approach. For medical personnel.
*Borrow from* Army.

**Management of burns. Part 1: Supportive care** (*Motion picture*) U. S. Dept. of the Army, 1958.
18 min., sd., color, 16 mm.
Order no. PMF 5318.
*Summary:* Explains the diagnosis, care, and treatment of patients suffering from burn injuries. Describes how to make an accurate appraisal of injury, how to administer sedation, and how to establish the venous life line; gives requirements for tracheotomy, and for maintaining the patient's urinary output; demonstrates planned fluid therapy, and the use of hematocrit to determine relative amounts of plasma and corpuscles in blood.
*Borrow from* Army. *Buy from* UWF.

**Management of burns. Part 2: Local care** (*Motion picture*) U. S. Dept. of the Army, 1958.
15 min., sd., color, 16 mm.
Order no. PMF 5319.
*Summary:* Describes procedures followed in the dressing and operating rooms, including cleansing the wound, debridement of the skin, occlusive dressing treatment, air treatment, and skin grafting. Emphasizes the importance of preventing contamination of the wound.
*Borrow from* Army. *Buy from* UWF.

**Management of burns, part 3: Skin grafting** (*Motion picture*) U. S. Dept. of the Army, 1959.
21 min., sd., color, 16 mm.
Order no. PMF 5320.
*Summary:* Depicts the operative care given to burn patients undergoing skin grafting of limbs, hands, and body areas. Illustrates and explains various techniques and methods of grafting, including removal of devitalized tissue, preparation of granulated area for grafting, selection and preparation of donor site, removal of skin from donor site, grafting on recipient area, and dressing the wound.
*Borrow from* Army

**Management of burns, part 4: Rehabilitation** (*Motion picture*) U. S. Dept. of the Army, 1959.
9 min., sd., color, 16 mm.
Order no. PMF 5321.
*Summary:* Describes the rehabilitation care given to burn patients to obtain maximum usage of damaged areas and prevent contracture, including optimum nutrition, hydrotherapy, infra-red light and ultraviolet light treatment, massage, active and passive exercise, functional retraining, and occupational therapy.
*Borrow from* Army.

**Management of mass casualties. Part 6: Sorting** (*Motion picture*) U. S. Dept. of the Army, 1959.
13 min., sd., color, 16 mm.
Order no. TF 8-2675.
*Summary:* Discusses problems associated with the identification of various types of casualties likely to be encountered in nuclear weapon warfare, where the medical personnel and facilities available are inadequate to meet the medical requirements. Describes the four major classifications into which the injured will be sorted for treatment—minimal, immediate, delayed, and expectant treatment.
*Borrow from* Army.

**Management of mass casualties. Part 8: Management of mechanical injuries** (*Motion picture*) U. S. Dept. of the Army, 1959.
20 min., sd., color, 16 mm.
Order no. TF 8-2676.
*Summary:* Depicts the surgical management of mechanically injured casualties, following a nuclear attack, and stresses the necessity for improvisations and modifications in standard surgical procedures in emergencies of this type.
*Borrow from* Army.

**Management of mass casualties. Part 10: Management of psychological casualties** (*Motion picture*) U. S. Dept. of the Army, 1959.
24 min., sd., b&w, 16 mm.
Order no. TF 8-2712.
*Summary:* Describes the doctrine and operating principles in the management of psychological casualties under nuclear disaster conditions where a disparity exists between medical requirements and available medical facilities.
*Borrow from* Army.

**Management of mass casualties. Part 11: Burns** (*Motion picture*) U. S. Dept. of the Army, 1959.
15 min., sd., color, 16 mm.
Order no. TF 8-2713.
*Summary:* Describes the operating principles in the management of burn casualties under nuclear disaster conditions where a disparity exists between medical requirements and available medical facilities. Salient teaching points cover self-care, electrolyte therapy, transfusion, exposure method of treatment, treatment of radiation symptoms, and surgical techniques employed in the excision of burned tissue.
*Borrow from* Army.

**Management of spinal cord injury cases** (*Motion picture*) U. S. Veterans Administration, 1947.
25 min., sd., b&w, 16 mm.
*Summary:* Shows physical rehabilitation treatment of spinal cord injury cases, including physiotherapy, occupational therapy, etc. Emphasizes the need for constant care and turning in bed of bedridden patients, and demonstrates the methods of handling skin grafts for bed sores.
*Borrow from* VA.

**Mandibular prognathism** (*Motion picture*) U. S. Veterans Administration, 1956.

43 min., sd., color, 16 mm.

*Summary:* Demonstrates the two-stage operation for the correction of a mandibular prognathism. Shows in considerable detail preoperative and post-operative studies as well as the two stages of the operation (Dingman procedure). Includes inserts of X-ray studies and medical sketches demonstrating various stages in the surgical procedure.

*Borrow from* VA. *Buy from* UWF.

**Manpower bank of the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

18 min., sd., b&w, 16 mm.

Order no. SEP 672.

*Summary:* Shows two reservists visiting the Air Reserve Records Center at Denver, Colorado, where more than one-half million records are maintained by a special terminal digit filing system. Explains that every important event in the career of the reservist is processed and entered in his service record and stresses the importance of accurate records to the reservist and to the Air Force.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**A man's appearance counts** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

39 double fr., color, 35 mm.

Order no. C–36.

With lecture notes.

*Summary:* Explains factors to be considered by men in choosing clothes suited to themselves and to different occasions.

*Buy from* PhotoLab.

**Manson's blood fluke** (*Motion picture*) U. S. Public Health Service, 1948.

16 min., sd., b&w, 16 mm.

Order no. 4–034.

*Summary:* Demonstrates stages in the life cycle of *Schistosoma mansoni* in secondary and primary hosts; explains the biologic relationships between the blood fluke and its hosts—man and snail; and discusses the pathology of Manson's schistosomiasis in man. Primarily animation and photomicrography.

*Borrow from* PHS. *Buy from* UWF.

**Manual cutting a bevel: Freehand** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

13 min., sd., b&w, 16 mm. (Welding procedures series. Oxygen cutting, no. 2)

Order no. OE 187.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to select a tip for bevel cutting; clean a tip; adjust oxygen and acetylene pressure for bevel cutting; and cut a bevel with minimum drag.

*Buy from* UWF.

**Manual cutting a bevel: Freehand** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

45 fr., b&w, 35 mm. (Welding procedures series. Oxygen cutting, no. 2)

Order no. OE 187–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Manual cutting a shape: Freehand guided** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

16 min., sd., b&w, 16 mm. (Welding procedures series. Oxygen cutting, no. 3)

Order no. OE 188.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to make a plywood template for cutting; make a tip guide device; position a template for cutting; use the guide device; and use a circle cutting device.

*Buy from* UWF.

**Manual cutting a shape: Freehand guided** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

45 fr., b&w, 35 mm. (Welding procedures series. Oxygen cutting, no. 3)

Order no. OE 188–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Manual cutting to a line: Freehand** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

21 min., sd., b&w, 16 mm. (Welding procedures series. Oxygen cutting, no. 1)

Order no. OE 186.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to assemble an oxyacetylene cutting outfit; select the proper cutting tip; adjust oxygen and acetylene delivery pressures; adjust the preheating cutting flames; make a 90 degree freehand cut; and disassemble the cutting outfit.

*Buy from* UWF.

**Manual cutting to a line: Freehand** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

50 fr., b&w, 35 mm. (Welding procedures series. Oxygen cutting, no. 1)

Order no. OE 186–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**The manual of arms** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

29 min., sd., b&w, 16 mm. (Close order drill series)

Order no. MN 201–c.

*Summary:* Shows how to execute order arms, inspect arms, trail arms, left and right shoulder arms, and parade rest, to fix and unfix bayonets, and to perform the rifle salutes.

*Borrow from* Navy. *Buy from* UWF.

**Manufactured abrasives** (*Motion picture*) U. S. Bureau of Mines in cooperation with Carborundum Co., 1940.

24 min., sd., b&w, 16 mm.

Order no. 185.

*Summary:* Shows the manufacture of carborundum and aloxite, the making of grinding wheels by the vitrified process, and illustrative uses of manufactured abrasives.

*Borrow from* BM. *Cleared for tv.*

**Map reading, basic: Azimuth conversion** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5–2407.

*Summary:* Covers azimuth conversion, detailing the procedure for converting grid to magnetic, and magnetic to grid. Particular attention is given to the use of the declination diagram. A field situation is used to demonstrate the method of converting the grid azimuth to the magnetic azimuth to determine a "path" to an objective.

*Borrow from* Army.

**Map reading, basic: Azimuths** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5–2406.

*Summary:* Discusses the relation of azimuths to direction and, using a field situation, illustrates how azimuth is used to reach a city street destination. Gives definitions and examples of azimuth, azimuth circle, and back azimuth.

*Borrow from* Army.

**Map reading, basic: Characteristics of contour lines** (*Motion picture*) U. S. Dept. of the Army, 1957.

6 min., sd., b&w, 16 mm.

Order no. TF 5–2408.

*Summary:* Shows how to read contour lines on a topographic map and stresses the importance of contour line reading in combat situations. Salient teaching points cover contour lines denoting uniform, gentle, and steep slopes; concave and convex slopes; cliffs, saddle, ridge, valleys, stream junctions, and cuts and fills.

*Borrow from* Army.

**Map reading, basic: Contour lines and intervals** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w., 16 mm.

Order no. TF 5–2409.

*Summary:* Explains the contour interval and the various types of contour lines printed on the map and uses contour lines denoting steep hills and gentle slopes as examples. Emphasizes that the principal key to the shape of the land is the contour line from which can be determined not only its configuration but also its elevation at any point.

*Borrow from* Army.

**Map reading, basic: Direction** (*Motion picture*) U. S. Dept. of the Army, 1957.

4 min., sd., b&w, 16 mm.

Order no. TF 5-2410.

***Summary:*** Defines true north, magnetic north, and grid north and demonstrates the differences between them. Shows the use of the declination diagram, which indicates the actual difference in degrees between the three norths, to determine which of the three norths is desired.

*Borrow from* Army.

**Map reading, basic: Elevation** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5-2411.

***Summary:*** Stresses the importance of elevation detail on military maps and shows the methods used to indicate elevation. Essential teaching points cover elevation markings by means of contour lines and hachures on maps, form lines on aerial photographs, ridge and stream lines on maps and photographs, and layer tints on maps and charts.

*Borrow from* Army.

**Map reading, basic: Intersection** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5-2412.

***Summary:*** Uses a field situation to show how an unknown position is fixed by means of the intersection method.

*Borrow from* Army.

**Map reading, basic: Location** (*Motion picture*) U. S. Dept. of the Army, 1957.

4 min., sd., b&w, 16 mm.

Order no. TF 5-2413.

***Summary:*** Shows how location can be determined with the aid of a military map and gives instruction on the reading of grid line coordinates, the west-east grid line, and the north-south grid line. Presents specific examples of finding location to illustrate teaching points.

*Borrow from* Army.

**Map reading, basic: Percent of slope** (*Motion picture*) U. S. Dept. of the Army, 1957.

7 min., sd., b&w, 16 mm.

Order no. TF 5-2414.

***Summary:*** Explains the method of expressing slope as a percentage by comparing and relating a field situation to theory. Vertical and horizontal distances are computed in the field, measured on a map, and then applied to the formula for finding the percent of slope.

*Borrow from* Army.

**Map reading, basic: Resection** (*Motion picture*) U. S. Dept. of the Army, 1957.

7 min., sd., b&w, 16 mm.

Order no. TF 5-2415.

***Summary:*** Describes how to locate an unknown position by means of the resection method. Using a hypothetical situation, demonstrates how a lost soldier determines his position by taking sights on two identifiable reference points. Particular attention is given to magnetic azimuth of both points, conversion to grid azimuth, and computation of back azimuth. The graphic method of resection is also explained.

*Borrow from* Army.

**Map reading, basic: Scale and distance** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5-2416.

***Summary:*** Describes how to determine scale and distance by use of the representative fraction and graphic scale. Problems involving the computation of scale and distance are solved by relating theory to actual map reading practices. Particular attention is given to the reference data when the representative fraction is shown, and to the different units of measurement of the graphic scales.

*Borrow from* Army.

**Map reading, basic: Using the protractor** (*Motion picture*) U. S. Dept. of the Army, 1957.

5 min., sd., b&w, 16 mm.

Order no. TF 5-2417.

***Summary:*** Describes the problem of reaching a destination and returning by correctly using the protractor to find the right azimuth or "street" along which to travel. The patrol leader takes the audience through the problem by relating what is seen in the field to a map and applying the protractor.

*Borrow from* Army.

**Mapping the world** (*Motion picture*) U. S. Army Engineers, 1957.

26 min., sd., color, 16 mm.

***Summary:*** Depicts the making of maps under adverse conditions. Describes the part maps play in the economic growth of undeveloped areas of the world; the use of maps by troops; and the importance of maps to the guided-missile program.

***Buy from*** Eng. ***Cleared for tv.***

**Marine Corps Air Reserve technical indoctrination** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

13 min., sd., b&w, 16 mm.

Order no. MH 7914.

***Summary:*** Illustrative activities of the first summer training period for high-school graduates who have joined the Marine Corps Air Reserve. Shows recruit activity at a Marine air station with emphasis on the opportunities offered young men to learn a technical aviation trade.

*Borrow from* Navy. *Cleared for tv.*

**The Marine Corps and close air support** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

13 min., sd., color, 16 mm.

Order no. MH 7906.

***Summary:*** Describes briefly the history of "close air support" as developed by the U. S. Marine Corps, and demonstrates the necessity of close coordination and teamwork between ground and air personnel.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Marine Corps and the helicopter** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

14 min., sd., b&w, 16 mm.

Order no. MH 7911.

***Summary:*** Explains the developmental use of the helicopter by the U. S. Marine Corps for land and amphibious warfare, portrays various needs of the helicopter, and stresses its maneuverability and versatility.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Marine diesel engines for power boats** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm.

Order no. MN 47.

***Summary:*** Shows the Buda marine diesel engines DA, DB, and DD; explains the mechanical operation of the DB, and its points of difference from the DD.

*Borrow from* Navy. *Buy from* UWF.

Marine electricity series
see Shipbuilding skills series. Marine electricity

**Marine gas turbine engines, principles of operation** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Academy Productions. Released for public educational use through U. S. Office of Education, 1953.

19 min., sd., color, 16 mm.

Order no. MN 7407-a.

***Summary:*** Explains the basic principles of the gas turbine engine, variations in the design of turbines currently in use, and the applications of the gas turbine in the operation of pumps, boats, trucks, and helicopters.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Marine gas-turbine engine: Trouble shooting** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

16 min., sd., color, 16 mm.

Order no. FN 7407-b.

***Summary:*** Describes the general procedure for locating the cause of trouble when a gas-turbine engine fails to start, to attain power, to keep oil pressure, or to maintain performance.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Marine hymn** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
3 min., sd., b&w, 16 mm.
*Summary:* The U. S. Marine Corps song sung off-screen against appropriate scenes of marines in action.
*Buy from* UWF.

**Marine installations** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
63 fr., b&w, 35 mm.
Order no. SCG 176–b, formerly SG 2314.
*Summary:* Explains the principles of operation of the reciprocating steam engine, and demonstrates the construction and operation of multiple-expansion engines and double-acting reciprocating pumps.
*Buy from* UWF.

Marine machinery installation series
see Shipbuilding skills series. Marine machinery installation

**Marine reservists at summer camp** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.
15 min., sd., b&w, 16 mm.
Order no. MH 7493.
*Summary:* Explains and illustrates the type of training received by members of the U. S. Marine Corps Reserve at summer camp.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Marketing builds produce sales** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
19 double fr., color, 35 mm.
Order no. C–57.
With lecture notes.
*Summary:* Discusses research conducted by the Agricultural Marketing Service of the U. S. Department of Agriculture, including studies of shelf life and prepackaging of fruits and vegetables and the merchandising methods used.
*Buy from* PhotoLab.

**Marketing cost for food** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
50 double fr., color, 35 mm.
Order no. C–51.
*Summary:* A series of statistical charts showing the distribution of the consumer's food dollar.
*Buy from* PhotoLab.

**Marketing farm products abroad** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
17 min., sd., color, 16 mm.
*Summary:* Portrays the role of the USDA agricultural attachés in promoting increased use of U. S. farm products abroad.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

Marketing livestock cooperatively
see
Livestock cooperatives in action

**Marketing research pays off** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
13 min., sd., color, 16 mm.
*Summary:* The story of agricultural marketing research, showing USDA scientists at work improving marketing methods, reducing processing and handling costs, and expanding markets for farm products.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

Marquette governor series
see Diesel engine governors series. Marquette governor

**Marshall day at VMI, 1951** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
10 min., sd., b&w, 16 mm.
Order no. MF 7865.
*Summary:* Activities at Virginia Military Institute, Lexington, Va., on George C. Marshall Day, May 15, 1951, including presentation of Virginia's Distinguished Service Medal to General Marshall.
*Borrow from* Army. *Buy from* UWF.

**Marshall, Gilbert, and Ellice Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
67 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min. (Theatres of war series. Pacific area)
Order no. SN 1538–d.
*Summary:* Traces the history of each island group; and explains the prevailing wind and ocean currents, available native food, and characteristics of the Polynesian and Melanesian inhabitants.
*Borrow from* Navy. *Buy from* UWF.

**Mas leche** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
10 min., sd., color, 16 mm.
Spanish version of Better farming; more milk.
*Summary:* Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.
*Buy from* UWF. *Cleared for tv.*

**Masseter, temporal muscles and temporal fascia** (*Motion picture*) U. S. Veterans Administration, 1959.
64 min., sd., color, 16 mm. (Head and neck anatomy series, no. 5)
*Summary:* Demonstrates, on a cadaver, an anatomical dissection of the head and neck, the temporomandibular joint, masticatory muscles, deep spaces of the face, and the third division of the trigeminal nerve.
*Borrow from* VA. *Buy from* UWF.

**Master planning: Shore station development** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Charles Elms Productions.
16 min., sd., b&w, 16 mm.
Order no. FN 8243.
*Summary:* Explains the general steps in the preparation of a typical master shore station development plan.
*Borrow from* Navy. *Buy from* UWF.

**Materials handling equipment operation: Gantry truck and warehouse cranes** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sound Masters, inc.
21 min., sd., b&w, 16 mm.
Order no. MN 7285–b.
*Summary:* Shows the uses and operation of Gantry truck and warehouse cranes, and discusses safety precautions.
*Borrow from* Navy. *Buy from* UWF.

**Materials: Key to progress** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. SFP 530.
*Summary:* Describes the overall technical mission of the USAF Materials Research and Development Program and emphasizes the important contributions of industry and science to its progress.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Matrix** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.
6 min., sd., color, 16 mm. (Operative dentistry series, no. 3)
Order no. MN 5369–c.
*Summary:* Low fusing impression compounds demonstrated as matrix reinforcement; tailored matrix applied to tooth; some reasons for failure of amalgam due to matrix application, and advantages of a reinforced matrix. For dental personnel.
*Borrow from* Navy. *Buy from* UWF.

**Measurement with light waves** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.
15 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 174.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Principles of measurement with light waves; nature of light waves; cause of interference bands and use of these bands in ultra-precision measurement. Procedures used in gage block inspection.
*Buy from* UWF.

**Measurement with light waves** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.
50 fr., b&w, 35 mm. (Engineering series)
Order no. OE 174–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Measuring and leveling** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
58 fr., b&w, 35 mm. (Surveying series)
Order no. FS 5–76.
*Summary:* Explains how to make horizontal measurements with tape or chain, and vertical measurements with the level, differential and profile leveling, and the techniques of using a level.
*Borrow from* Army. *Buy from* UWF.

**Measuring home management** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with Michigan State College, 1950.
50 double fr., color, 35 mm.
Order no. C–12.
*Summary:* Shows the importance of proper home management and the establishment, through research, of a standard by which the managerial ability of a homemaker can be measured.
*Buy from* PhotoLab.

**Measuring pipe, tubing, and fittings** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 1)
Order no. OE 105.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to identify types of pipe, tubing, and fittings; use basic measuring tools; measure pipe for offsets; and make allowances for fittings and offsets in measuring pipe.
*Buy from* UWF.

**Measuring pipe, tubing, and fittings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
48 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 1)
Order no. OE 105–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Meat cutting series
see Farm work series. Meat cutting

**Meat cutting tools and equipment** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm. (The Army cook series, no. 1)
Order no. TF 10–1133.
*Summary:* Gives instructions for handling various kitchen knives and saws, and safety precautions to be observed in using and sharpening cutting tools.
*Borrow from* Army. *Buy from* UWF.

**The mechanic** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Produced by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
14 min., sd., b&w, 16 mm. (Ohio town series)
*Summary:* Work and life of a master mechanic in an Ohio town—his job in the factory, activities around home, a family trip to the country on Sunday.
*Buy from* UWF.

**Mechanical aids to physical security. Part 1: Perimeter barriers and personnel identification** (*Filmstrip*) U. S. Dept. of the Army, 1955.
46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 19–13.
*Summary:* Discusses the construction of fences, gates, and windows, explaining how they are used for security control of pedestrian and vehicular traffic. Explains personnel identification and control, including identification buttons, laminated cards, and metal badges, and discusses badge and pass control systems and devices used to prevent alteration of badges and passes.
*Borrow from* Army. *Buy from* UWF.

**Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems** (*Filmstrip*) U. S. Dept. of the Army, 1955.
46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 19–16.
*Summary:* Discusses continuous, stand-by, and movable lighting systems; telephone and radio communications systems; local and central alarm systems; and protective alarm devices such as invisible light rays, field and pneumatic pressure devices, and the inspectoscope.
*Borrow from* Army. *Buy from* UWF.

**Mechanical operation of the model 28 teletypewriter: Automatic typer selecting mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.
11 min., sd., b&w, 16 mm.
Order no. NM 9237–b.
*Summary:* Shows the chain of action in the automatic typer of the model 28 teletypewriter (TT–47A/UG) from the signal generator to and through the selecting mechanism that operates the code bars.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mechanical operation of the model 28 teletypewriter: Function mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.
11 min., sd., b&w, 16 mm.
Order no. MN 9237–d.
*Summary:* Shows the mechanical chain of action in the function mechanism of the model 28 teletypewriter (TT–47A/UG) Emphasizes the operation of the function clutch as opposed to the main shaft clutch.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mechanical operation of the model 28 teletypewriter: Keyboard transmitting mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.
13 min., sd., b&w, 16 mm.
Order no. MN 9237–a.
*Summary:* Shows the mechanical operation of the keyboard transmitting mechanism of the model 28 teletypewriter (TT–47A/UG) Traces the action from the key punched to the signal generator and explains each part in the chain between keyboard and generator.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mechanical operation of the model 28 teletypewriter: Type box positioning mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.
20 min., sd., b&w, 16 mm.
Order no. MN 9237–c.
*Summary:* Shows by means of close live photography the chain of action of the mechanical levers that position the type box of the model 28 teletypewriter (TT–47A/UG) in the proper position so that the letter or figure key that is punched may be printed.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mechanical packing aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

30 min., sd., b&w, 16 mm.

Order no. MN 2505.

*Summary:* Demonstrates how to pack a spiral wound gasket and a steam reciprocating pump rod, repack a centrifugal part, and replace packing around a condenser tube.

*Borrow from* Navy. *Buy from* UWF.

**Mechanical refrigeration: How it works** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

22 min., sd., b&w, 16 mm.

Order no. MN 2246–a.

*Summary:* Explains the function, theory, and operation of a refrigeration system.

*Borrow from* Navy. *Buy from* UWF.

**Mechanized trail equipment** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

28 min., sd., color, 16 mm.

*Summary:* Shows safe and proper operation of mechanized trail graders and winches, especially developed for forest trail construction and maintenance.

*Rent from* DA film libraries.

**Medical aid in combat: Company aid men in action** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Universal Pictures Co.

19 min., sd., b&w, 16 mm.

Order no. MN 7338.

*Summary:* Demonstrations of field tactics used by combat troops, as applied to the company aid man's job of examining and treating the wounded under combat conditions.

*Borrow from* Navy.

Medical and physical background
see Deep sea diving: Medical and physical background

**Medical aspects of high intensity noise: Ear defense** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

21 min., sd., b&w, 16 mm.

Order no. MN 9318–c.

*Summary:* Points out the hazards associated with high noise levels produced by jet aircraft and other noisy equipment found ashore and aboard ship. Describes the nature of noise, its effect on hearing, and various devices that are used for the protection of hearing.

*Borrow from* Navy. *Buy from* UWF.

**Medical aspects of high intensity noise: General effects** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

21 min., sd., b&w, 16 mm.

Order no. MN 9318–a.

*Summary:* Explains the increasingly serious hazards of high intensity noise; describes the nature of noise and some of its physiological and psychological effects; and gives examples of sounds of extreme intensity approximating conditions found near jet aircraft, artillery, and other noise-producing equipment.

*Borrow from* Navy. *Buy from* UWF.

**Medical aspects of high intensity noise: Prevention of hearing losses** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

20 min., sd., b&w, 16 mm.

Order no. MN 9318–b.

*Summary:* Shows how to recognize symptoms of acoustic trauma resulting from exposure to high intensity noise. Demonstrates the methods for detecting hearing losses and describes the effectiveness of various ear protection devices.

*Borrow from* Navy.

**Medical aspects of nuclear radiation** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

20 min., sd., color, 16 mm.

Order no. MF 8–7897.

*Summary:* Explains effects of radiation upon the human body, internal and external radiation hazards, and the relative gravity of the hazards of nuclear radiation, blast, and heat.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Medical certification of the causes of death** (*Filmstrip*) U. S. Public Health Service, 1951.

59 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min.

*Summary:* Explains the importance of accurate cause-of-death certification, and the considerations which govern the selection and ranking of causes entered on death certificates.

*Borrow from* PHS. *Buy from* UWF.

**Medical defense against biological warfare: Basic considerations** (*Motion picture*) U. S. Navy Dept., 1959. Made by Fordel Films.

20 min., sd., color, 16 mm.

Order no. MN 8549a.

*Summary:* Reviews military purposes of biological warfare. Discusses criteria that may be used in evaluating and selecting microorganisms for possible use as biological warfare agents. Demonstrates methods of dissemination and emphasizes need for adequate medical defense. For medical personnel.

*Borrow from* Navy.

**Medical defense against biological warfare: Basic plan after attack** (*Motion picture*) U. S. Navy Dept., 1959. Made by Fordel Films.

17 min., sd., color, 16 mm.

Order no. MN 8549c.

*Summary:* Illustrates how an aggressor might utilize biological warfare in an attack. Demonstrates actions taken by the medical department to provide first aid, emergency treatment, and decontamination of casualties; rapid detection and identification of the biological warfare agent; prophylactic and therapeutic measures; and measures to control environment and personnel.

*Borrow from* Navy.

**Medical defense against chemical warfare: Basic plan for handling casualties** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

18 min., sd., b&w, 16 mm.

Order no. MN 8266–a.

*Summary:* Demonstrates the basic plan for deployment and use of first echelon medical forces in the event of a chemical warfare attack and depicts the method for establishment and equippage of a decontamination area. Shows the processing of casualties, to assure that contamination is not spread beyond the first medical facility behind the forward area. Designed primarily for use of medical officers.

*Borrow from* Navy.

**Medical defense against chemical warfare: Detection of contaminated food** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

20 min., sd., color, 16 mm.

Order no. MN 8266–c.

*Summary:* Shows the AN–M2 food testing and screening kit and demonstrates the step-by-step techniques for using the kit to test food supplies for contamination. Depicts in detail the performance of G-agents, mustards (including cyanogen chloride), arsenicals, and detector crayon tests. Designed primarily for use of medical officers.

*Borrow from* Navy.

**Medical defense against chemical warfare: Detection of contaminated water** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

20 min., sd., color, 16 mm.

Order no. MN 8266–b.

*Summary:* Shows the AN–M2 water testing and screening kit and demonstrates the step-by-step techniques for using the kit to make water tests. Depicts in detail the performance of arsenicals, mustards (including nitrogen mustard and cyanogen chloride), pH, chlorin demand, and G-agents tests. Designed primarily for use of medical officers.

*Borrow from* Navy.

**Medical defense against chemical warfare: Emergency treatment** (*Motion picture*) U. S. Navy Dept., 1959. Made by Sound Masters.
20 min., sd., color, 16 mm.
Order no. MN 8266-f.
*Summary:* Presents the principal types of emergencies that may be presented at forward medical installations in case of a chemical warfare attack. Briefly covers emergency treatment for severe exposures to vesicants such as mustards and arsenicals. Presents at length the procedures that maybe used in the management of anoxia at forward medical installations in case of exposures to nerve gases. Primarily for medical officers.
*Borrow from* Navy.

**Medical defense against chemical warfare: Gas attack self aid** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.
20 min., sd., b&w, 16 mm.
Order no. MN 8266-d.
*Summary:* Demonstrates measures to be taken by each individual in protecting himself against contamination and serious consequences in case of contamination by a chemical warfare agent. Illustrates a technique for decontamination of the eye if it is splashed with liquid nerve or mustard gases or with an arsenical. Depicts a procedure to be followed in case of contamination of the clothing or skin by any liquid agent.
*Borrow from* Navy.

**Medical defense against chemical warfare: Principles of first aid** (*Motion picture*) U. S. Navy Dept., 1959. Made by Sound Masters.
20 min., sd., b&w, 16 mm.
Order no. MN 8266-e.
*Summary:* Demonstrates priorities to be followed by hospital corpsmen in giving first aid to casualties who are exposed to chemical agents. Specifically covers administration of atropine and control of breathing; control of copious bleeding resulting from physical trauma in association with chemical contamination; decontamination of the eyes; decontamination of the skin; and administration of atropine to casualties when symptoms are delayed or recur.
*Borrow from* Navy.

**The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
32 min., sd., color, 16 mm.
Order no. PMF 5058.
*Summary:* Gives an explanation of nuclear physics, fission and general reaction, thermal energy and mechanical force, nuclear radiation and ionizing effects; and portrays the physical destruction and casualty effects of atomic bombing.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
37 min., sd., color, 16 mm.
Order no. PMF 5148.
*Summary:* Explains the thermal, traumatic, and radiation effects of atomic bombing; clinical observations; medical diagnosis and prognosis; and includes pathological material for illustrative purposes. For medical personnel only.
*Borrow from* Army. *Buy from* UWF.

**The medical examination. Part 1: Importance** (*Motion picture*) U. S. Dept. of the Army, 1949.
19 min., sd., b&w, 16 mm.
Order no. TF 8-1536.
*Summary:* Explains the importance of the medical examination, the attitude of the examining doctor, and the relationships existing between doctor, patient, and administrator.
*Borrow from* Army.

**The medical examination. Part 2: Medical history** (*Motion picture*) U. S. Dept. of the Army, 1950.
17 min., sd., b&w, 16 min.
Order no. TF 8-1537.
*Summary:* Explains the importance of knowing the medical past of the patient prior to medical examination. Shows how to ascertain and record the case history, and evaluates the patient's physical handicaps in relation to his occupational duties.
*Borrow from* Army.

**The medical examination. Part 3: Examination** (*Motion picture*) U. S. Dept. of the Army, 1950.
19 min., sd., b&w, 16 mm.
Order no. TF 8-1538.
*Summary:* Depicts the importance of the medical examination in total; explains the role each specialist plays in giving an overall medical picture of each patient; describes methods of making the examination.
*Borrow from* Army.

Medical laboratory techniques series
see
Hematological technique: Collecting blood samples
Hematological technique for charging the hemocytometer
Histopathological technique: Processing a gross specimen
Serological technique: Venipuncture
VDRL slide qualitative test with serum

**Medical minute men** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
9 min., sd., b&w, 16 mm.
Order no. SFP 353.
*Summary:* Explains the functions and duties of the U. S. Air Force Medical Reservists.
*Borrow from* AF. *Cleared for tv.*

**Medical planning for a task force operation** (*Motion picture*) U. S. Dept. of the Army, 1952.
32 min., sd., b&w, 16 mm.
Order no. TF 8-1761.
*Summary:* Demonstrates long-term medical planning required by a joint Army-Navy-Air Force operation, and explains the responsibility of the task force surgeon in coordinating each phase of medical planning.
*Borrow from* Army. *Cleared for tv.*

**Medical research** (*Motion picture*) U. S. Veterans Administration, 1957. Made by U. S. Dept. of Agriculture.
28 min., sd., color, 16 mm.
*Summary:* Portrays and explains some of the Veterans Administration research activities; particularly in tuberculosis, cancer, and cardiovascular research.
*Borrow from* VA. *Cleared for tv.*

Medical Service Corps
see The big picture: Medical service corps

**Medical service in the jungle** (*Motion picture*) U. S. War Dept., 1944.
20 min., sd., b&w, 16 mm.
Order no. FB 8-147.
*Summary:* Depicts the difficulties encountered in jungle medical service, and shows how combat medical troops meet the problems.
*Borrow from* Army.

**Medical support in ship to shore operations** (*Motion picture*) U. S. Navy Dept., 1944.
30 min., sd., b&w, 16 mm. (Amphibious warfare)
Order no. MN 4326.
*Summary:* Explains the medical service required in each phase of abphibious assault. For medical personnel.
*Borrow from* Navy.

**Medicine hits the beach** (*Motion picture*) U. S. Navy Dept., 1944. Made by Byron, inc.
21 min., sd., b&w, 16 mm.
Order no. MN 3732.
*Summary:* Shows the training of medical personnel in caring for casualties during amphibious landing and under assault. Covers practice landings, camouflage, strenuous physical training, emergency treatments, stretcher treatments, use of new medical equipment, field sanitation, and selection of sites for dressing stations.
*Borrow from* Navy.

Medicine in action series
see
Breakbone fever, "dengue"
Evacuation of casualties [at] Saipan
Head injury, report of a battle casualty
Multiple wounds, report of a battle casualty
Naval epidemiology
Pacific enemy, malaria
Soft tissue wounds
Trench foot
Typhus in Naples

**Meeting at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202–m.
*Summary:* Shows five basic meeting situations and the proper night whistle signals on the ocean, in inland waters, and in narrow channels; explains the causes of head-on collisions; and shows emergency action signals.
*Borrow from* Navy. *Buy from* UWF.

**Meeting steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
18 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202–k.
*Summary:* Gives examples of steam vessels meeting on the ocean and in inland waters; demonstrates whistle signals for various situations; and shows how to figure the degree of a vessel's turn at various distances.
*Borrow from* Navy. *Buy from* UWF.

**Mejores herramientas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
Spanish version of From small beginnings.
*Summary:* Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.
*Buy from* UWF. *Cleared for tv.*

**Melanesia** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
81 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min. (Theatres of war series. Pacific area)
Order no. SN 1538–a.
*Summary:* Shows the terrain and natives of New Caledonia, New Hebrides, Solomon Island, and the Bismarck Archipelago; and explains the strategic importance of Melanesia in World War 2.
*Borrow from* Navy. *Buy from* UWF.

**Melting and refining of stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.
23 min., sd., color, 16 mm.
Order no. 240.
*Summary:* Shows the operation of a 50-ton electric furnace from charging the furnace to pouring the melt into ingots, and closes with a list of articles made of stainless steel.
*Borrow from* BM. *Cleared for tv.*

Melting practice series
see Foundry work series. Melting practice

**The membrane filter** (*Filmstrip*) U. S. Public Health Service, 1959.
80 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. F 386.
*Summary:* Describes the use of the membrane filter, its advantages and disadvantages over other methods used for the examination of water, and the latest techniques, procedures, and equipment required for its use.
*Borrow from* PHS. *Buy from* UWF.

**Memorandum on security** (*Motion picture*) U. S. Dept. of the Army, 1959.
9 min., sd., color, 16 mm.
Project No. 07022.
*Summary:* Shows research activity being carried on in various universities, research centers, and industrial laboratories for the Department of Defense, and explains the purpose of security regulations and procedures required to enforce them. Includes scenes of Deputy Secretary of Defense Donald A. Quarles, and emphasizes the importance of security in defense research activity. Intended primarily for scientific and engineering personnel working on critical research projects for the Department of Defense.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Memorial day** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by United World Films.
21 min., sd., b&w, 16 mm.
Order no. MN 7372.
*Summary:* Tells the story of a small New England town's observance of Memorial Day with special emphasis on the part played in it by a young sailor who has just returned from active duty in Korea.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Memphis Belle** (*Motion picture*) U. S. Army Air Forces, 1944.
42 min., sd., color, 16 mm.
Order no. SFP 114.
*Summary:* Portrays a bombing mission over Germany during World War II, including preparations for the raid, the take-off from England, the flight, bombing the submarine base at Wilhelmshaven, and the return to base.
*Borrow from* AF. *Cleared for tv.*

**Men and mail in transit** (*Motion picture*) U. S. Post Office Dept., 1956. Made by U. S. Dept. of Agriculture.
27 min., sd., b&w, 16 mm.
*Summary:* Shows postal transportation clerks how to perform their duties on the RPO (railway post office) or HPO (highway post office)
*Borrow from* PO. *Cleared for tv.*

**Men and planes** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
8 min., sd., b&w, 16 mm.
Order no. SFP 370.
*Summary:* Describes the annual bombing contest conducted by the Strategic Air Command at Barksdale Air Force Base in Louisiana.
*Borrow from* AF. *Cleared for tv.*

**Men and the sea** (*Motion picture*) U. S. Office of War Information, Domestic Branch, in cooperation with U. S. Maritime Commission, 1942. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* How U. S. merchant seamen were trained in seamanship, signaling, gunnery, radio operation, etc., during World War II.
*Buy from* UWF.

**Men 17 and 18½, your future and the new reserve law** (*Motion picture*) U. S. Dept. of the Army, 1955.
12 min., sd., b&w, 16 mm.
Order no. MF 45–8589.
*Summary:* Explains the provisions of the Reserve forces act of 1955, and shows how a reservist is trained in military skills during the 6-month active duty period at an army camp and subsequently at local military reserve units.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Men who fish** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

30 min., sd., b&w, 16 mm.

*Summary:* Shows how a fishing cooperative association in Japan, established since World War II, is gradually improving living conditions of the fishermen of Japan. Prepared for use in occupied areas, particularly in Japan.

*Buy from* UWF.

**Men who grow cotton** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Agricultural Extension Services of the Cotton States, 1947.

21 min., sd., color, 16 mm.

*Summary:* Traces the historical development and shows the present status (1947) of cotton, its importance to the South and to the nation, and its future problems and possibilities.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Men, women, and children** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1954.

28 min., sd., color, 16 mm.

*Summary:* Portrays a group of young school boys (Smokey Bear's Junior Forest Rangers) determined to do something about the loss of a school forest through fire. Shows how everyday unsafe habits of people can cause forest fires through negligence and thoughtlessness, pointing out that they "didn't mean to start a forest fire." Emphasizes safe habits in the forest.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Mercados asseiados** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Portuguese version of The sanitary market.

*Summary:* Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

*Buy from* UWF. *Cleared for tv.*

**Mercados higiénicos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

9 min., sd., color, 16 mm.

Spanish version of The sanitary market.

*Summary:* Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

*Buy from* UWF. *Cleared for tv.*

**Mess management: Conservation control in the management of a mess** (*Motion picture*) U. S. Dept. of the Army, 1956.

14 min., sd., b&w, 16 mm.

Order no. TF 10–2243.

*Summary:* Explains the basic functions of mess management, and the importance of meal planning. Discusses on-the-job training of mess personnel, and the functions and responsibilities of the mess officer, food adviser, and unit commanders.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Mess personnel: Profit and loss in the kitchen** (*Motion picture*) U. S. Dept. of the Army, 1956.

18 min., sd., color, 16 mm.

Order no. TF 10–2242.

*Summary:* Discusses techniques of controlling waste in the kitchen, including hoarding, inspection of supplies upon receipt, storage methods, operation of kitchen equipment, use of leftovers, use of meat and vegetable trimmings, use of incidental nutrients derived from cooking, prescribed cooking practices, proper serving of food, salvage control, and vermin and rodent control.

*Borrow from* Army. *Buy from* UWF.

**Mess sanitation** (*Motion picture*) U. S. Dept. of the Army, 1956.

25 min., sd., b&w, 16 mm.

Order no. TF 8–2295.

*Summary:* Explains mess sanitation principles and demonstrates procedures which have proven effective in the control and prevention of diarrheal diseases in the Armed Forces. Covers the storage of foods, preparation of meals, serving of meals, care of leftovers, garbage disposal, and control of flies.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Mess sanitation, part 1** (*Motion picture*) U. S. Dept. of the Army, 1954.

4 min., sd., b&w, 16 mm.

Order no. MF 8–8237.

*Summary:* Explains the use of proper garbage disposal facilities to keep away harmful bugs carrying the dysentery germ, how to dig a hole to bury refuse, and the disposal of empty ration cans to get rid of flies.

*Borrow from* Army. *Buy from* UWF.

**Mess sanitation, part 2** (*Motion picture*) U. S. Dept. of the Army, 1954.

4 min., sd., b&w, 16 mm.

Order no. MF 8–8238.

*Summary:* Stresses the importance of cleanliness at all times, especially prior to eating, and of the disposal of leftovers in order to avoid breeding and feeding flies and to prevent dysentery.

*Borrow from* Army. *Buy from* UWF.

**Mess sanitation, part 3** (*Motion picture*) U. S. Dept. of the Army, 1954.

5 min., sd., b&w, 16 mm.

Order no. MF 8–8239.

*Summary:* Emphasizes the need for thorough rinsing of mess kits before and after meals and for taking necessary precautions to prevent dysentery.

*Borrow from* Army. *Buy from* UWF.

**Message to women** (*Motion picture*) U. S. Public Health Service, 1945. Made by Hugh Harmon Productions.

20 min., sd., color, 16 mm.

Technicolor.

*Summary:* Explains facts about gonorrhea and syphilis; illustrates by animated charts the effects of these diseases upon women; emphasizes the importance of knowing about these diseases.

*Borrow from* PHS.

Metal fabrication series
see Aircraft work series. Metal fabrication

**The metalsmith's tool kit** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1943.

57 fr., b&w, 35 mm.

Order no. SN 926.

*Summary:* Shows the various kinds of tools used by the aviation metalsmith.

*Borrow from* Navy. *Buy from* UWF.

**A method of mixing silicate cement** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1953.

8 min., sd., color, 16 mm.

*Summary:* Demonstrates a new method of mixing silicate cements in a closed container whereby the maximum amount of powder is incorporated into a given quantity of liquid independent of atmospheric conditions. Actual restorations in the mouth show how these laboratory findings may be used in dental practice. For dental personnel.

*Borrow from* NBS. *Buy from* NBS.

**Method of repair of posterior tibial nerve** (*Motion picture*) U. S. Dept. of the Army, 1949.

10 min., sd., color, 16 mm.

Order no. PMF 5132.

*Summary:* Shows how to repair long defects in the peripheral nerve by bridging a large gap in the tibial nerve through wide dissection and flexion of the knee joint. For medical personnel.

*Borrow from* Army.

**Method of teaching combat surgery** (*Motion picture*) U. S. Dept. of the Army, 1958.

16 min., sd., color, 16 mm.

Order no. PMF 5324.

*Summary:* Depicts the new method of teaching the principles and techniques of traumatic surgery in combat. Describes the old didactic method of instruction and presents the new method as employed at the Army Medical Service School, Brooke Army Medical Center, Fort Sam Houston, Texas.

*Borrow from* Army.

**Methods and materials employed for model construction at the NACA Langley Laboratory** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.
25 min., sd., color, 16 mm.
Order no. TF 27.
With script showing sources of materials.
*Summary:* Shows the materials and equipment, the procedures, and the methods used by the NACA, at one of its laboratories, in constructing aerodynamic research models. Also shows the construction of several models. For use by technical personnel and those concerned with the construction of research models.
*Borrow from* NASA.

**Methods of operating valves** (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational purposes through U. S. Civil Aeronautics Administration, 1946.
50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Hydraulic valves)
Order no. SN 1809–e.
*Summary:* Uses schematics and straight photography to explain manual, mechanical, electrical, and hydraulic valves, and combinations of these types.
*Borrow from* Navy.

**Methods of processing plastics materials** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
25 min., sd., b&w, 16 mm. (Plastics series, no. 2)
Order no. OE 467.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* Fundamentals of the compression, transfer, extrusion, and injection molding methods; finishing of molded parts; fundamentals of lamination; and machining of laminated and other plastics products.
*Buy from* UWF.

**Methods of processing plastics materials** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
68 fr., b&w, 35 mm. (Plastics series, no. 2)
Order no. OE 467–fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Methods of starting the engine** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
45 fr., b&w, 35 mm.
Order no. SN 123.
*Summary:* Shows how an engine may be started by the following methods: by pulling the propeller, with a shock cord, direct hand crank, combustion starter, the inertia starter (hand and electric operated), and direct electric starter.
*Borrow from* Navy.

Mexican fiestas series
see
The bounteous earth
Fiestas of the hills
Fire and water
Sky dancers of Papantla

**Mexico builds a democracy** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.
20 min., sd., color, 16 mm.
*Summary:* Shows rural education in Mexico, including the program of the government boarding schools for teachers and the work of an itinerant instructor.
*Buy from* UWF.

**Microdissection applied to mosquito identification** (*Filmstrip*) U. S. Public Health Service, 1953.
44 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F 1.
*Summary:* Explains the values, for identification purposes, of properly dissected male mosquito terminalia, preparation of the apparatus for microdissection, the microdissection, mounting parts of the terminalia, and examining them microscopically.
*Borrow from* PHS. *Buy from* UWF.

**Microfilariae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.
4 min., si., color, 16 mm. (Parasitology series)
Order no. 4–058.
*Summary:* Cinemicrography of activity of diurnally periodic microfilariae of *Wuchereria bancrofti* from the blood of a soldier infected in the Society Islands.
*Borrow from* PHS. *Buy from* UWF.

**The micrometer** (*Motion picture*) U. S. Office of Education, 1941. Produced by Loucks & Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 2)
Order no. OE 2.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Various types of micrometers; how to use a micrometer, read the barrel and thimble scales, check the accuracy of readings, and take care of the instrument.
*Buy from* UWF.

**The micrometer** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
38 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 2)
Order no. OE 2–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Microorganisms of gas gangrene** (*Motion picture*) U. S. Public Health Service, 1954.
9 min., si., color, 16 mm.
Order no. M 154.
*Summary:* Shows species of *Clostridium* causing gas gangrene, the morphological characteristics of these bacteria, and studies of the bacteria in various cultures.
*Borrow from* PHS. *Buy from* UWF.

**Microscopic study and isolation of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.
13 min., sd., b&w, 16 mm. (Laboratory diagnosis of diphtheria series, no. 1)
Order no. 4–088.
With utilization guide.
*Summary:* Presents procedures for isolating pure cultures of *Corynebacterium diphtheriae* from throat and nasal swabs of a patient with suspected diphtheria. Includes photomicrographs of organisms.
*Borrow from* PHS. *Buy from* UWF.

**Microwave oscillators** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
18 min., sd., b&w, 16 mm.
Order no. TF 11–1567.
*Summary:* Explains the magnetron and klystron and the basic theory of operation of each.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Middle East problem with Dr. Charles Malik** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
46 min., sd., b&w, 16 mm.
Order no. WA 5.
*Summary:* Dr. Charles Malik, Foreign Minister of Lebanon, discusses the Middle East with students of the National War College, and such questions as: Would the Middle East welcome American troops? What further steps should be taken by the U. S. to restore order and stability in the Middle East? What are the prospects of acceptance of Israel by the Arab States? What collective security arrangements should be made in the Middle East? Would the Middle East support international control of the Suez Canal? How strong is the Soviet threat in the Middle East? Mr. Ernest K. Lindley of Newsweek acts as moderator.
*Borrow from* Army. *Cleared for tv.*

**Milho, o grão que foi o alicerce de um hemisfério** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Released by U. S. Institute of Inter-American Affairs, 1947.

11 min., sd., color, 16 mm.

Portuguese version of The grain that built a hemisphere.

*Summary:* Traces the history of corn and its importance in the development of civilization; and describes its uses today.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Military courtesy** (*Motion picture*) U. S. Dept. of the Army, 1954.

17 min., sd., b&w, 16 mm.

Order no. TF 21–1965.

*Summary:* Explains the purpose and customs of military courtesy, cites the salute as a significant form of military courtesy and discusses the how, when, and why of saluting. Covers other forms of military courtesy, such as proper conduct of the soldier in the presence of officers, responsibilities of officers in relation to military courtesy, and proper off-duty conduct of soldiers.

*Borrow from* Army.

**The military funeral** (*Motion picture*) U. S. Dept. of the Army, 1952.

48 min., sd., b&w, 16 mm.

Order no. TF 16–1753.

*Summary:* Gives instructions for officers-in-charge and chaplains in correct military funeral procedure, including listing of necessary personnel to participate in the ceremony, instructing key personnel, interviewing the next of kin, chapel service, procession to the grave, graveside service, and departure from the grave.

*Borrow from* Army. *Buy from* UWF.

**Military immunization: General procedures** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

24 min., sd., b&w, 16 mm.

Order no. MN 8568–a.

*Summary:* Depicts the procedures which enable a small team of medical personnel to immunize large groups of men safely and speedily; stresses the proper planning and organization, and the use of an individual sterile syringe and needle for each injection.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Military immunization: Smallpox vaccination** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

12 min., sd., color, 16 mm.

Order no. MN 8568–b.

*Summary:* Depicts the procedures for smallpox vaccination and for observing and recording the effects of vaccination. Covers such items as storage and handling of the vaccine, cleansing of the vaccination site, use of the multiple pressure technique, and the recognition of primary, immediate, and accelerated reactions.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Military instruction series
see
Principles of learning
Speech techniques
The stages of instruction: Application, examination, and review or critique
The stages of instruction: Preparation
The stages of instruction: Presentation
Training aids

**Military justice** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

94 min., sd., b&w, 16 mm.

Order no. TF 1–4890.

*Summary:* Explains the procedures of general court martial under the Uniform code of military justice through a dramatized story of a young airman accused of stealing money from a barracks mate. Describes the pre-trial investigation, the trial, and review by the judge advocate and the Court of Military Appeals.

*Borrow from* AF. *Cleared for tv.*

**Military lady (WAC)** (*Motion picture*) U. S. Dept. of the Army, 1959.

37 min., sd., b&w, 16 mm.

Order no. TF 35–2781.

*Summary:* Portrays the role of the Women's Army Corps of the United States Army and describes the advantages of a career for women with the Army in terms of salary, education, and occupational opportunities.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Military oceanography: Bathythermograph observations** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

16 min., sd., color, 16 mm.

Order no. MN 6832–a.

*Summary:* Explains the features and operation of a bathythermograph; and demonstrates its lowering and recovery, removal of the slide, and proper care of the bathythermograph.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Military oceanography: Occupying an oceanographic station** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

29 min., sd., color, 16 mm.

Order no. MN 6832–b.

*Summary:* Shows the principal design features of Nansen bottles; drawing water samples; reading and recording temperatures at depth of sampling; analyzing samples for oxygen and chloride content; and recording data.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Military pipeline operations
see
Installation of pumping stations
Laying pipelines
Operation and maintenance of pipeline systems

**Military pipeline system: CBI theater** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

24 min., sd., b&w, 16 mm. (Historical reports series)

Order no. HR–E–7.

*Summary:* The story of a pipeline built by American troops in difficult terrain under hazardous conditions.

*Borrow from* Army. *Buy from* UWF.

**Military police approach: Vehicles** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

11 min., sd., b&w, 16 mm.

Order no. TF 19–1797.

*Summary:* Shows the proper methods to be used by military police motor patrols in overtaking a vehicle and making an arrest. Portrays the procedure to be used when apprehending a motorist for a traffic violation, and the methods to be used in overtaking and apprehending criminals.

*Borrow from* Army.

**Military police duties at traffic accidents** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

20 min., sd., b&w, 16 mm.

Order no. TF 19–1800.

*Summary:* Demonstrates eight rules of procedure in handling traffic accidents: proceed to scene quickly but safely; care for injured and protect property; establish traffic control in vicinity; secure accident investigation facts; secure a statement; complete driver's accident report; clear scene and complete report; and recheck the report.

*Borrow from* Army.

**Military police on trains** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use, 1956.

34 min., sd., b&w, 16 mm.

*Summary:* Demonstrates the duties and responsibilities of the mili-

Order no. TF 19–1552.

tary police and shore patrol on train patrol and in railroad and bus stations. Emphasizes the tactful and diplomatic requirements.

*Borrow from* Army.

**The military police story** (*Motion picture*) U. S. Dept. of the Army, 1954.
33 min., sd., b&w, 16 mm.
Order no FB 19–287.
*Summary:* Training, duties, and responsibilities of the Military Police Corps. Shows MP activities in Germany and Korea today.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Military police support in amphibious operations** (*Motion picture*) U. S. Dept. of the Army, 1953.
14 min., sd., b&w, 16 mm.
Order no. TF 19–1806.
*Summary:* Explains the duties and functions of the U. S. Military Police in a combined amphibious assault.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Military police town patrol. Part 1: Foot patrols** (*Motion picture*) U. S. Dept. of the Army, 1956.
36 min., sd., b&w, 16 mm.
Order no. TF 19–2111.
*Summary:* Explains to military police personnel the basic mission of foot patrols in town, and the techniques involved in carrying out specific duties. Includes planning of foot patrols, organization of patrol, preparation for mission, familiarization with specific patrol route, how to advise and assist soldiers, and how to preserve order and enforce military regulations.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Military police town patrol. Part 2: Motor patrols** (*Motion picture*) U. S. Dept. of the Army, 1955.
16 min., sd., b&w, 16 mm.
Order no. TF 19–2112.
*Summary:* Explains the responsibilities and techniques involved in motor patrolling, showing how motor patrols are organized and how patrol missions are performed. Follows the activities of a typical motor patrol, including cruising in a patrol area, visiting off-limits night-clubs and taverns, handling an intoxicated soldier, quelling a brawl, and apprehending an intoxicated driver.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Military roads and runways series
see
Bases and untreated surfaces
Clearing, grubbing, and rock work

Military roads series
see
Drainage
Gravel and rock surfaces
Road expedients
Subgrade preparation

**Military rock climbing: Movement of combat units** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
31 min., sd., b&w, 16 mm.
Order no. TF 7–1480.
*Summary:* Shows how men with certain types of equipment can move and operate in mountain areas; explains the use of field expedients, handling organizational equipment, transporting sick and injured, and precautions for individual climbers.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Military rock climbing: Technique of climbing** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.
32 min., sd., b&w, 16 mm.
Order no. TF 7–1475.
*Summary:* Shows the organization of two and three man "climbing teams," equipment and its use, climbing technique for various types of formations, and types of holds and knots.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Military Sea Transportation Service: Cabin passengers** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.
20 min., sd., b&w, 16 mm.
Order no. MN 7832–c.
*Summary:* Discusses problems encountered while traveling by MSTS transport; explains procedures and describes the facilities and limitations aboard ship. Points out what is required of passengers.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Military Sea Transportation Service, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Warner News.
19 min., sd., b&w, 16 mm.
Order no. MN 7832–a.
*Summary:* Explains the functions, organization, and operations of the Military Sea Transportation Service of the U. S. Navy. Includes scenes of embarkation and debarkation of troops and dependents, living conditions aboard ship, and the transportation of materials and equipment.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Military Sea Transportation Service: Troop transportation** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.
20 min., sd., b&w, 16 mm.
Order no. MN 7832–b.
*Summary:* Illustrates the problems and procedures involved in the formation, functions, and duties of the advance parties and voyage staffs aboard MSTS transports. Defines authority, zones of responsibility, and the proper administration of troops during embarkation, at sea, and during debarkation.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Military stevedoring series
see
Cargo handling gear, basic operation
Drafts and slings
Expedients
Heavy lifts
Straps and transportation bridles
Vehicle loading and stowing
Winches and booms

**Military surgeon in amphibious assault** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.
15 min., sd., color, 16 mm.
Order no. MN 6910.
*Summary:* Illustrates to the medical officer the conditions under which he will perform his duties in amphibious assault by presenting a view of the environment, facilities, and casualties he can expect.
*Borrow from* Navy.

**Military Traffic Management Agency** (*Motion picture*) U. S. Dept. of Defense, 1959.
28 min., sd., color, 16 mm.
Order no. Project 32017.
*Summary:* Depicts the mission and operations of the Military Traffic Management Agency and its relations with and dependence upon commercial carriers.
*Borrow from* Army. *Buy from* UWF.

**Military use of the helicopter** (*Motion picture*) U. S. Dept. of Defense, 1952.
14 min., sd., b&w, 16 mm.
Order no. AFSR 139.
*Summary:* Shows the many military uses of the helicopter—air rescue operations, liaison observation and reconnaissance, and landing men and supplies behind enemy lines.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Milk and public health** (*Motion picture*) U. S. Public Health Service, 1951.
12 min., sd., b&w, 16 mm.
Order no. M 7.
*Summary:* Points out the dangers of haphazard milk production, the resultant public health problem, and the need for regulatory legislation; and reviews, through the reminiscences of an old-time farmer, the steps taken to insure healthy cows, sanitary equipment and supplies, and other hygienic methods throughout the production and processing of milk.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Milk processing** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.
24 min., sd., b&w, 16 mm. (Small milk plant operation)
*Summary:* Shows the handling and pasteurization of milk by the holding process, the construction and operation of a vat-type pasteurizer, and the importance of safe milk. For milk handlers and sanitarians.
*Borrow from* PHS. *Buy from* UWF.

Milk sanitation series
see
Cleaning-in-place for pasteurization plants

**Milling a circular T-slot** (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 5)
Order no. OE 76.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mill a circular T-slot in solid metal; use a rotary table for continuous circular milling; use a two-lip end mill, end mill, and T-slot cutter; and use a dial indicator with a test bar in aligning a table.
*Buy from* UWF.

**Milling a circular T-slot** (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
27 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 5)
Order no. OE 76–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Milling a foundation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (Shipbuilding skills series. Outside machinist)
Order no. MN 2348–c.
Supplementary filmstrip of same title also available.
*Summary:* Demonstrates the set-up and operation of a portable milling machine for milling a foundation.
*Borrow from* Navy. *Buy from* UWF.

**Milling a foundation** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
62 fr., b&w, 35 mm. (Shipbuilding skills series. Outside machinist)
Order no. SN 2348–o.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Milling a helical cutter** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 8)
Order no. OE 210.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount arbor, cutter, and arbor support; mount workpiece between centers; set dividing head for specified number of divisions; position workpiece for first cut; and rough- and finish-mill the workpiece.
*Buy from* UWF.

**Milling a helical cutter** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
54 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 8)
Order no. OE 210–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Milling a helical groove** (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 4)
Order no. OE 75.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mill a helical groove in a cylindrical shaft; select and set the machine gears for milling a helical groove with any lead; and use the dividing head. Explains lead and backlash.
*Buy from* UWF.

**Milling a helical groove** (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.
35 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 4)
Order no. OE 75–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Milling a template** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 5)
Order no. OE 207.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount the end mill in the milling machine spindle; position the table and workpiece in relation to the cutter; rough- and finish-mill the piece; and check for finished dimensions.
*Buy from* UWF.

**Milling a template** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.
34 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 5)
Order no. OE 207–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The milling machine** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
8 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. A)
Order no. OE 11.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Types of jobs which can be done on the milling machine; how to mount the cutter on the arbor; adjust the overarm bracket; and set cutter speeds and table feeds.
*Buy from* UWF.

**The milling machine** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.
15 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)
Order no. OE 69.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Functions, characteristics, and basic operations of the milling machine.
*Buy from* UWF.

**The milling machine** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
58 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1–5.
*Summary:* Explains the nomenclature, practical uses, and operation of the milling machine.
*Borrow from* AF. *Buy from* UWF.

**The milling machine** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

45 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. A)

Order no. OE 11–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**The milling machine** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

41 fr., b&w, 35 mm. (Machine shop work series. Basic machines)

Order no. OE 69–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Mind in the making** (*Motion picture*) U. S. Veterans Administration, 1946.

20 min., sd., color, 16 mm.

*Summary:* Describes the care and treatment, under a group therapy plan, of colored patients at the Veterans Administration Hospital, Tuskegee, Alabama.

*Borrow from* VA.

**Miracidia of Schistosoma japonicum** (*Motion picture*) U. S. Public Health Service, 1947.

4 min., si., color, 16 mm. (Parasitology series)

Order no. 4–060.

*Summary:* Cinemicrography of miracidia of *Schistosoma japonicum* inside egg shell and free in fecal concentrate, showing absence of egg shell spine and activity of contained miracidia.

*Borrow from* PHS.

**Miracle of promise** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

29 min., sd., b&w, 16 mm.

Order no. SFP 303.

*Summary:* Shows young men of the NATO (North Atlantic Treaty Organization) countries studying aeronautics and learning to fly jets to help maintain a strong air defense.

*Borrow from* AF. *Cleared for tv.*

**Missile logistics** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

26 min., sd., color, 16 mm.

Order no. SFP 496.

*Summary:* Shows how the Air Matériel Command provides the logistical "know-how" that gets and keeps its missiles ready to meet any eventuality. Gen. Edwin W. Rawlings, AMC Commander, introduces the film with an explanation of the changes taking place within our defense picture and the importance of preparedness in meeting the challenge of the missile age.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Missile master: AN/FSG–1 anti-aircraft defense system, engineering report no. 9627** (*Motion picture*) U. S. Dept. of the Army, 1958.

13 min., sd., color, 16 mm.

Order no. MF 11–8923.

*Summary:* Explains the role and operation of the U. S. Army's missile master system, AN/FSG–1. Contrasts a NIKE practice alert without the missile master and with the AN/FSG–1. Reviews the functions and equipment of the operation center, communications room, radar support system, and simulator room.

*Borrow from* Army. *Cleared for tv.*

**Missile recovery** (*Motion picture*) U. S. Dept. of the Army, 1960.

14 min., sd., color, 16 mm.

Order no. MF 45–9508.

*Summary:* Explains the purpose of missile recovery and describes the methods and equipment used to search, recover, and dispose of missile remains. Depicts the action taken by a missile recovery team, including training and briefing of the crew, protective clothing worn, observation of missile flight and point of impact, search at point of impact and surrounding area, and recovery techniques. Discusses the function of a demolition team and shows the prescribed procedure for handling nitric acid.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Missile wound of abdomen: Exploratory laparotomy: repair of liver perforation** (*Motion picture*) U. S. Dept. of the Navy, 1954.

5 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–c.

*Summary:* Shows a wound of the abdomen; minute examination of the abdominal contents; release of a round ligament to provide mobility of the liver; removal of the missile from the flank of the adbomen; use of ribbon cat gut to approximate the wound margins in the liver; and closure of the abdomen in layers with retention sutures. Shows also debridement of the wound of entry at the completion of surgical procedure.

*Borrow from* Navy.

**Missile wound of abdomen: Negative exploratory laparotomy** (*Motion picture*) U. S. Dept. of the Navy, 1954.

5 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–b.

*Summary:* Shows wounds and minute examination of the intestine. Demonstrates closure of the abdomen incorporating the peritoneum and fascia in one layer.

*Borrow from* Navy.

**Missile wound of buttock with perforation of rectum: Exploratory laparotomy; simple loop colostomy** (*Motion picture*) U. S. Dept. of the Navy, 1954.

6 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–d.

*Summary:* Shows treatment of a patient by exploratory laparctomy; complete eviseration of the intestine to facilitate inspection for perforations; performance of a simple loop colostomy to divert the fecal stream; and closure of the abdomen and debridement of the left gluteal wound of the buttock which was connected with the rectum.

*Borrow from* Navy.

**Missile wound of head, debridement and closure** (*Motion picture*) U. S. Dept. of the Navy, 1954.

12 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–m.

*Summary:* Shows enlargement of a wound of entry for inspection and debridement of the wound; evacuation of bone chips, clot, and devitalized brain tissue; irrigation of the wound with saline; accomplishment of hemostasis; closure of the defect by approximation of the edges of the dura, and closure of the scalp with mattress sutures of stainless steel wire; and debridement and closure of the wound of exit.

*Borrow from* Navy.

**Missile wound of head: Debridement, closure, and result 5 weeks later** (*Motion picture*) U. S. Dept. of the Navy, 1954.

13 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–n.

*Summary:* Shows a small wound of entry and a large blow out representing a wound of exit, with bone chip from the skull blown through the scalp; the unroofing of the missile tract to reveal the extent of damage and to permit the evacuation of a clot, foreign material, and devitalized tissue; the skull defect closed with a flap pericranium to replace the missing dura; and the patient 5 weeks later.

*Borrow from* Navy.

**Missile wound of head, jaw, chest: Control of hemorrhage and care of airway** (*Motion picture*) U. S. Dept. of the Navy, 1954.

6 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–o.

*Summary:* Shows the replacement of a tracheotomy with a cuffed breathing tube, and packing with a posterior nasal pharyngeal pack for control of hemorrhage.

*Borrow from* Navy.

**Missile wound of medial aspect of thigh with loss of large segment of femoral artery: Repair with homologous artery graft** (*Motion picture*) U. S. Dept. of the Navy, 1954.
6 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)
Order no. MN 8056–f.
*Summary:* Shows the preparation and installation of homologous artery graft; restoration of continuity and pulsation in the graft after installation; and final partial closure of the wound to protect the graft.
*Borrow from* Navy.

**Missile wound of right posterior calf with severe damage to popliteal artery: Repair with homologous artery graft** (*Motion picture*) U. S. Dept. of the Navy, 1954.
9 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)
Order no. MN 8056–g.
*Summary:* Shows blanching and failure of circulation caused by damage to an artery by small wounds; long incision made to permit wide exposure and facilitate repair; improvised tourniquets used as an expedient; excision of all traumatized artery to prevent thrombosis; approximation of the ends, and graft with silk sutures; and restored blood supply to leg and foot.
*Borrow from* Navy.

**Missile wound of the abdomen: Exploratory laparotomy, resection of intestine, end to end anastomosis** (*Motion picture*) U. S. Dept. of the Navy, 1954.
13 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)
Order no. MN 8056–a.
*Summary:* Shows a wound of the abdomen; complete examination of the abdominal contents to find small perforations, performance of a resection of the small bowels and primary anastomosis. Shows closure of a second perforation without resection. Demonstrates closure of the abdomen.
*Borrow from* Navy.

**Missile wound of thigh with compound fracture of femur** (*Motion picture*) U. S. Dept. of the Navy, 1954.
6 min., si. at [illegible] speed, color, 16 min. (Operative management of war injuries in the field)
Order no. MN 8056–e.
*Summary:* Shows enlargement of the wound of entry, incision of fascia, evacuation of hematoma, and excision of devitalized tissue and bone fragments; loose packing of the wound with fine mesh gauze; use of a Bohler-Braun frame to immobilize the fracture; and evacuation of the patient by helicopter.
*Borrow from* Navy.

**Missiles of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1958.
19 min., sd., color, 16 mm.
Order no. MN 8848.
*Summary:* Describes the task of designing and producing missiles to fulfill the unique requirements of the Navy.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mission accomplished** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
*Summary:* Photographic record of the first all-American raid over occupied Europe, showing Flying Fortresses attacking the railroad yards at Rouen and returning to their base in England.
*Buy from* UWF.

**Mission of the Army** (*Motion picture*) U. S. Dept. of the Army, 1953.
22 min., sd., b&w, 16 mm.
Order no. TF 100–1726.
*Summary:* Dramatization of the functions of the various arms and services of the U. S. Army with emphasis upon combat activities.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The mission of the Joint Chiefs of Staff** (*Motion picture*) U. S. Dept. of Defense, 1959.
25 min., sd., b&w, 16 mm.
Order no. WA 9.
*Summary:* Traces the origin and history of the JCS (Joint Chiefs of Staff) from World War II to the enactment of the Defense reorganization act of 1958. Describes the mission of the JCS in furnishing military advice to the President, the National Security Council, and the Defense Secretary. Discusses the functions of the JCS.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Mission of the United States Air Force** (*Motion picture*) U. S. Dept. of Defense, 1957.
33 min., sd., b&w, 16 mm.
Order no. OC 13.
*Summary:* General Thomas D. White, Chief of Staff, USAF, discusses the mission of the United States Air Force with officers attending the Armed Forces Staff College. Includes defense of the country through air, retaliatory air force, and air support for ground forces. Answers questions on the "balanced forces" concept; the Air Force mission with relation to the Army and Navy; Air Force capabilities in limited and general war; weapons research and development; and changes in USAF organization and policies as determined by the nuclear warfare concept.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The mission of the United States Army** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by the U. S. Dept. of the Army.
37 min., sd., b&w, 16 mm.
Order no. OC 12.
*Summary:* General Maxwell D. Taylor, Army Chief of Staff, discusses the mission of the U. S. Army at the Armed Forces Staff College, and answers questions on the size of "western" and Communist ground forces; token units versus large forces overseas as a deterrent to aggression; Army aviation requirements; nature of future amphibious operations; new trends in tactics, organization, supply, and transport; ratio of support to combat troops; role of the Army Reserve; and new trends in joint operations.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Mission of the United States Marine Corps** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Order no. OC 10.
*Summary:* General Randolph McCall Pate, commandant of the U. S. Marine Corps, comments on the mission and organization of the Marine Corps, and answers questions posed by his audience of officers from the Armed Forces Staff College.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Mission of the United States Navy** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
35 min., sd.; b&w, 16 mm.
Order no. OC 11.
*Summary:* Admiral Arleigh Burke, Chief of Naval Operations, discusses the mission of the U. S. Navy with a group of officers attending the Armed Forces Staff College and answers questions concerning the advantage of sea base fighting equipment over land base firepower, the vulnerability of supercarriers to attack, the possibility of an all-nuclear propelled Navy within the next 10 years, guided missiles and conventional Naval guns, the Navy's role in the air defense of the U. S., the future of large scale amphibious assaults, and Navy developments in submarine warfare.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The mission support during radioactive fallout: Disaster control** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
32 min., sd., b&w, 16 mm.
Order no. TF 1–5302a.
*Summary:* Defines radioactive fallout and explains the characteristics of alpha, beta, and gamma rays. Shows the Disaster Control Officer how to prepare a base defense plan—covering the base disaster control center, communications, alternate facilities, monitoring equipment, decontamination facilities, shelters, security, hospital and medical facilities, food supplies, and weather service—that will enable his installation to carry on its wartime mission during heavy radioactive fallout.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The mission support during radioactive fallout: Exposure control** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
13 min., sd., b&w, 16 mm.
Order no. TF 1–5302c.
*Summary:* Explains the Disaster Control Officer's duties and responsibilities in the area of personnel safety, including computing radiation intensity scales and maximum allowable dosage, estimating radiation intensity in advance, coordinating flight line maintenance schedules, and other outside duties necessary in keeping radiation dosage of personnel to a minimum. Emphasizes personnel safety as a prime factor to assure operational efficiency during radioactive fallout.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The mission support during radioactive fallout: Fallout shelters** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
18 min., sd., b&w, 16 mm.
Order no. TF 1–5302b.
*Summary:* Explains the necessity for good shelters in event of nuclear attack. Salient teaching points cover: evaluation and preparation of buildings at a typical air base as shelters; gamma rays and their characteristics; brick, concrete, lead and other materials and their effectiveness in absorbing gamma-ray energy; computation of material and distance attenuation rates; construction of shelters; and outdoor emergency shelters.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Mississippi River: Upper river** (*Motion picture*) U. S. Army Engineers, 1948.
15 min., sd., color, 16 mm.
*Summary:* Scenes of the Mississippi River from Lake Itasca to St. Louis with particular reference to power plants, locks and dams, and tributary river terminals.
*Borrow from* Eng.

**Missouri and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1950.
33 min., sd., color, 16 mm.
Order no. 237.
*Summary:* Describes the history, mineral resources, industry, agriculture, transportation facilities, cities, and recreational facilities of Missouri.
*Borrow from* BM. *Cleared for tv.*

**Mr. George F. Kennan discusses Soviet objectives** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
58 min., sd., b&w, 16 mm.
Order no. OC 1.
*Summary:* Mr. George F. Kennan, at an officers conference held at the National War College, discusses the tactical and strategic objectives of the Soviet Union and answers questions, including: why does communist ideology appeal to intellectuals in other countries, what effect will communist ideology have on the managerial class in the Soviet Union in the future, what are the views of the conquered peoples within the Soviet Union, why is communist ideology appealing to colonial and primitive peoples, and how formidable is Soviet military power.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Mister! Meet the future** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
25 min., sd., b&w, 16 mm.
Order no. TF 1–5267.
*Summary:* Presents a pictorial overview of the Air Force ROTC summer training program.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Mr. Stuart answers the question** (*Motion picture*) U. S. Dept. of Commerce, Office of Small Business, 1947. Made by U. S. Dept. of Agriculture.
34 min., sd., b&w, 16 mm.
*Summary:* Shows, by means of a dramatized story, how a businessman, the owner of a small retail department store, trains himself and his staff in modern selling methods.
*Buy from* UWF.

**Mrs. United States Navy** (*Motion picture*) U. S. Dept. of the Navy, 1957.
4 min., sd., b&w, 16 mm.
Order no. MN 8659.
*Summary:* Describes the Mrs. U. S. Navy contest held at Long Beach, California, in 1956, including scenes of the fleet review, parade, crowning of the queen, prizes received by the queen and her husband, their tour of the U. S., and return home.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Mixing of DDT emulsions** (*Filmstrip*) U. S. Public Health Service, 1945.
77 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. 5–012.
Supplementary filmstrip with the title Quiz: Mixing of DDT emulsions, also available.
*Summary:* Explains the reasons for mixing DDT emulsions, and how to prepare a mixture of DDT, xylene, emulsifier, and water.
*Borrow for* PHS.

**Mobile supply support** (*Motion picture*) U. S. Dept. of the Navy, 1953.
23 min., sd., b&w, 16 mm.
Order no. MN 7830.
*Summary:* Explains the economics of military supply operations and the efficiency obtained by the mobile logistic forces of the U. S. Navy.
*Borrow from* Navy. *Cleared for tv.*

**Mobilization of the stapes** (*Motion picture*) U. S. Dept. of the Army, 1958. Made by Sturgis-Grant Film Productions.
20 min., sd., color, 16 mm.
Order no. MF 8–9003.
*Summary:* Shows middle ear mechanisms for normal hearing and auditory tests in surgery of the stapes. Presents animated illustrations for exposure of middle ear space, cadaver studies illustrating in detail what surgery is to accomplish, and an operation on the living as seen through the operating microscope. Discusses conclusions based on treatment of approximately 3,000 cases of conductive and mixed types of deafness.
*Borrow from* Army.

**Moderation** (*Motion picture*) U. S. Dept. of the Army, 1958.
6 min., sd., b&w, 16 mm.
Order no. TF 16–2735.
*Summary:* Dramatized story illustrating the concept of moderation. Made for use by Army chaplains.
*Borrow from* Army.

Modern American society and culture
see American history II, lecture 7: Modern American society and culture

**Modern ordnance material: The M76 amphibious cargo carrier** (*Motion picture*) U. S. Dept. of the Army, 1954.
8 min., sd., b&w, 16 mm.
Order no. FB 9–290.
*Summary:* Discusses and illustrates the construction, characteristics, and operation of the M76 amphibious cargo carrier.
*Borrow from* Army.

A modern story of bituminous coal
see Powering America's progress: A modern story of bituminous coal

**Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

23 min., sd., b&w, 16 mm.
Order no. TF 1-726.
*Summary:* Describes the characteristics of warm, cold, and occluded fronts; shows the types of clouds associated with each type of front; tells how an occluded front is produced; and explains how to fly through an occluded front.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Modernizing marketing facilities** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

27 min., sd., b&w, 16 mm.
*Summary:* Describes the operations of large perishable food markets, and explains how a typical city may solve the problem of adequate wholesale food markets. Shows both good and poor marketing facilities and methods of handling perishable farm products.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Modified retropubic prostatectomy** (*Motion picture*) U. S. Veterans Administration, 1955.

16 min, si. at sd. speed, color, 16 mm.
*Summary:* Presents a modification of the Millin retropubic prostatectomy utilizing a midline incision in the anterior superior half of the prostatic capsule and the distal 2 cm. of the anterior bladder wall. Explains that this modification results in no need to ligate capsular veins because the midline incision parallels their course. Points out the wide exposure and rapid access to the hyperplastic tissue, enucleation under vision, rapid effective hemostasis due to direct unobstructed observation of the operative field, elimination of difficult maneuvering under the symphysis pubis, and reduced operating time. Shows how, for access to subpubic space, a generous midline or transverse abdominal incision is made to avoid trauma to the symphysis pubis.
*Borrow from* VA.

**Molding a horizontal cored part** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

22 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 4)
Order no. OE 431.
Supplementary filmstrip of same title also issued.
With instructor's manual.
Summary: Explains the use of a horizontal core, a split pattern, chaplets, and chaplet supports. Shows how to gate a mold for rapid pouring of a thin casting; and how to clean a casting.
*Buy from* UWF.

**Molding a horizontal cored part** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

37 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 4)
Order no. OE 431-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding a horizontal cored part
see also
Moulage d'une pièce avec un noyau horizontal

**Molding a valve body** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

33 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 3)
Order no. OE 430-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding a valve body
see also
Moulage du corps d'une soupage

**Molding on a jolt roll-over pattern draw machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

23 min., sd., b&w, 16 mm. (Foundry practice series. Machine molding)
Order no. OE 434.
With instructor's manual. Supplementary filmstrip of same title also issued.
*Summary:* Explains the principles of the jolt roll-over pattern draw machine; how to fill the drag and jolt it; draw the pattern; set the drag and cope pattern plates; fill the cope and jolt it; and finish and close the mold.
*Buy from* UWF.

**Molding on a jolt roll-over pattern draw machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

47 fr., b&w, 35 mm. (Foundry practice series. Machine molding)
Order no. OE 434-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding on a jolt roll-over pattern draw machine
see also
Moulage au moyen d'une machine à secousse et à démoulage par renversement

**Molding on a jolt squeeze machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

10 min., sd., b&w, 16 mm. (Foundry practice series. Machine molding)
Order no. OE 433.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Explains the principles of the jolt squeeze molding machine; how to roll the mold; fill the cope and apply pressboard; squeeze the mold; and draw the pattern, finish, and close the mold.
*Buy from* UWF.

**Molding on a jolt squeeze machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

49 fr., b&w, 35 mm. (Foundry practice series. Machine molding)
Order no. OE 433-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding on a jolt squeeze machine
see also
Moulage avec une machine à secousse et à compression

**Molding part having a vertical core** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

19 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 3)
Order no. OE 425.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Shows how to mold a gate and riser; make a pouring basin; vent a mold to permit the escape of core gases; and locate a vertical core in a mold.
*Buy from* UWF.

**Molding part having a vertical core** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
38 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 3)
Order no. OE 425–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding part having a vertical core
see also
Moulage d'une pièce portant un noyau vertical

**Molding part with deep green sand core** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
25 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 2)
Order no. OE 429.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Tells why to use a follow board with a thin box-like pattern. Shows how to reinforce a green sand core with nails; locate sprue and watch-up pins; use gaggers; and ram and vent a green sand core.
*Buy from* UWF.

**Molding part with deep green sand core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
30 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 2)
Order no. OE 429–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding part with deep green sand core
see also
Moulage d'une pièce avec un noyau profond de sable vert

**Molding with a gated pattern** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
11 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 5)
Order no. OE 427.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Explains what a gated pattern is and why it is used. Shows how a match or follow board may simplify making a parting; how facing sand is prepared; and how and why some patterns are rapped through the cope.
*Buy from* UWF.

**Molding with a gated pattern** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
30 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 5)
Order no. OE 427–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding with a gated pattern
see also
Moulage avec un modèle multiple

**Molding with a loose pattern** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
21 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 1)
Order no. OE 423.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Explains how molding sand is prepared. Demonstrates how to face a pattern; ram and vent a mold; roll a drag; cut a sprue, runner, riser, and gates; and swab, rap, and draw a pattern. Shows, by animation, what takes place inside a mold during pouring.
*Buy from* UWF.

**Molding with a loose pattern** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
37 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 1)
Order no. OE 423–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding with a loose pattern
see also
Moulage avec un modèle solide

**Molding with a loose pattern; floor** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
24 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 1)
Order no. OE 428.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Explains the distinction between bench molding and floor molding. Shows how to face a deep pattern; ram a drag and walk it off; clamp a mold; locate sprues and risers; and tuck the crossbars of a large cope.
*Buy from* UWF.

**Molding with a loose pattern; floor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
35 fr., b&w, 35 mm. Foundry practice series. Floor molding, no. 1)
Order no. OE 428–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding with a loose pattern; floor
see also
Moulage d'un modèle solide; sur le plancher

**Molding with a split pattern** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
19 min., sd., b&w, 16 mm. (Foundry practice series. Bench molding, no. 4)
Order no. OE 426.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Explains how split patterns aid in the more efficient molding of some castings; and demonstrates how ramming affects the permeability of sand in a mold; how to reinforce a mold with nails; and how to patch a mold.
*Buy from* UWF.

**Molding with a split pattern** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
26 fr., b&w, 35 mm. (Foundry practice series. Bench molding, no. 4)
Order no. OE 426–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding with a split pattern
see also
Moulage d'un modèle en deux parties

**Molding with a three part flask** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
35 min., sd., b&w, 16 mm. (Foundry practice series. Floor molding, no. 5)
Order no. OE 432.
Supplementary filmstrip of same title also issued.
With instructor's manual.
*Summary:* Explains the use of a deep follow board; techniques of facing, ramming, and venting a deep green sand core; how to use a cheeck in a three-part flask; and the purpose and method of stepgating.
*Buy from* UWF.

**Molding with a three part flask** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
33 fr., b&w, 35 mm. (Foundry practice series. Floor molding, no. 5)
Order no. OE 432–fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

Molding with a three part flask
see also
Moulage avec une boîte a mouler en trois parties

**Moles and melanoma** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., color, 16 mm.
Order no. MN 2713.
*Summary:* Shows by animation the structure and skin cells of benign and malignant moles; points out how activation is started by mechanical irritation; that improper cauterization is ineffective and that proper surgery is effective.
*Borrow from* Navy.

**Moluccas** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.
88 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 17 min. (Theatres of war series. Pacific area; Netherlands East Indies)
Order no. SN 1538–p.
*Summary:* Describes the terrain, winds, and population of the Moluccas; and explains how persons marooned on one of the islands can, with the aid of natives, escape to a friendly base.
*Borrow from* Navy. *Buy from* UWF.

**Montevideo family** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm.
*Summary:* Study of the daily life of a middle-class family in Montevideo, Uruguay.
*Buy from* UWF.

**"Moppy": New methods for easier mopping** (*Filmstrip*) U. S. Veterans Administration, 1956.
2 filmstrips (81 fr.), b&w, 35 mm.
Part 1, 41 fr.; pt. 2, 40 fr.
*Summary:* Uses cartoon characters to illustrate methods of mopping floors in hospitals.
*Borrow from* VA. *Buy from* UWF.

**Moral responsibility of safety** (*Motion picture*) U. S. Dept. of the Army, 1959.
6 min., sd., b&w, 16 mm.
Order no. TF 16–2791.
*Summary:* Dramatized story illustrating the concept of moral responsibility. Made for use by Army chaplains.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

More about modifiers
see Practical English usage I, lecture 9: More about modifiers

More about pronouns
see Practical English usage I, lecture 6: More about pronouns

More about sentences
see Practical English usage I, lecture 5: More about sentences; punctuation; sentence sense

More about verbs
see Practical English usage I, lecture 7: More about verbs

**More and better foods from today's pay check** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.
43 double fr., color, 35 mm.
Order no. C–43 or 712.
*Summary:* Charts and cartoons showing changes in food production and consumption during the past 30 years.
*Buy from* PhotoLab.

**More grasshoppers** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
6 min., sd., b&w, 16 mm.
*Summary:* Shows how grasshopper infestations are predicted, and suggests control measures farmers can follow to reduce damage. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Morning coffee with Dorothy Thompson** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Order no. AFIF 81.
*Summary:* Miss Dorothy Thompson discusses with a group of service wives the importance of desirable behavior of U. S. citizens abroad, and answers such questions as the extent to which Americans should conform to foreign customs, and the danger of well-meaning "overgenerosity."
*Borrow from* Army. *Cleared for tv.*

**Mosquito larval habitats** (*Filmstrip*) U. S. Public Health Service, 1958.
73 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. FS 190.
*Summary:* Describes the various types of mosquito larval breeding places; explains the classification of larval habitats as related to mosquito surveys. Designed primarily for sanitarians and mosquito-control trainees.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**Mosquito prevention in irrigated areas** (*Motion picture*) U. S. Public Health Service, 1955.
7 min., sd., b&w, 16 mm.
Order no. M 73.
*Summary:* Shows how to control mosquitoes in irrigated areas by good design and careful maintenance of the irrigation system, accurate preleveling of fields, and providing adequate run-off drainage in order to avoid standing water.
*Borrow from* PHS. *Buy from* UWF.

**Mosquito problems in irrigated areas** (*Filmstrip*) U. S. Public Health Service, 1953.
75 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 144.
*Summary:* Explains the mosquito problems attendant to irrigation projects and how an irrigation system should be designed and maintained in order to provide adequate drainage so that it does not become a mosquito breeding area.
*Borrow from* PHS.

**Mosquito stages of Plasmodium falciparum** (*Motion picture*) U. S. Public Health Service in cooperation with the Laboratory of Tropical Diseases, National Institutes of Health, 1954.

11 min., sd., b&w, 16 mm.

Order no. M 138–b.

*Summary:* By means of cinemacrography, cinemicrography, and graphics, shows the female of the *Anopheles quadrimaculatus* obtaining a blood meal, and the action of the mosquito mouth parts within the tissues; gametocytes, gamete formation, and fertilization; the development of the oökinete, oöcyst, and sporozoites; transfer of sporozoites to the salivary glands and their inoculation into the tissues of the host.

*Borrow from* PHS.

**Mosquito survey techniques** (*Motion picture*) U. S. Public Health Service, 1958.

15 min., sd., color, 16 mm.

Order no. M 127.

*Summary:* Shows mosquito survey methods under a variety of circumstances and for various mosquito species; how properly to collect larvae and adult mosquitoes; and how to keep accurate records and evaluate results.

*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**A most dangerous combination** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

3 min., sd., b&w, 16 mm.

Revision of the 1945 film of the same title.

*Summary:* How thought and care can prevent nine out of ten forest fires caused by the dangerous combination of a man, a match, and dry leaves.

*Rent from* DA firm libraries. *Buy from* UWF.

**The most rewarding law** (*Motion picture*) U. S. Dept. of the Army, 1960.

30 min., sd., color, 16 mm.

Order no. MF 15–9100.

*Summary:* Shows the variety of opportunities provided by a career in the U. S. Army Judge-Advocate-General's Corps, compares the duties of the judge advocate with those of a lawyer in civilian practice, and discusses the similarities between the two types of practice. Emphasizes the advantages afforded the young military lawyer—travel, advanced study in the law, security, variety of duty and experience, and professional satisfaction.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**A motion picture history of the Korean War** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

58 min., sd., b&w, 16 mm.

Order no. AFIF 85.

*Summary:* Presents the Korean War fighting, and the problems encountered by American and United Nations forces during the major phases of the battle from the initial gun fire on June 25, 1950 to the armistice on July 27, 1953.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Motor control series
see Electrical work series. Motor control

**Motor vehicle administration** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

6 min., sd., color, 16 mm.

*Summary:* Emphasizes the importance of the motor vehicle administrations in state governments, and shows the need for adequate budgets and trained personnel to handle programs of driver licensing, driver improvement, and vehicle inspection.

*Borrow from* PCTS. *Cleared for tv.*

**Motor vehicle spot speed studies: Setting up mirror boxes** (*Motion picture*) U. S. Dept. of the Army, 1956.

6 min., sd., b&w, 16 mm.

Order no. TF 19–2275.

*Summary:* Shows how mirror boxes are used in motor vehicle spot speed studies, including positioning of boxes, positioning of observer and recorder, clocking of passing vehicles, and recording of data on a field sheet.

*Borrow from* Army.

Moulage au banc
see Technique de fonderie. Moulage au banc

**Moulage au moyen d'une machine à secousse et à démoulage par renversement** (*Motion picture*) U. S. Office of Education, 1954.

23 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage mécanique)

Order no. OE 434–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding on a jolt roll-over pattern draw machine.

*Buy from* UWF.

**Moulage avec un modèle multiple** (*Motion picture*) U. S. Office of Education, 1954.

11 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 5)

Order no. OE 427–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding with a gated pattern.

*Buy from* UWF.

**Moulage avec un modèle solide** (*Motion picture*) U. S. Office of Education, 1954.

21 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 1)

Order no. OE 423–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding with a loose pattern.

*Buy from* UWF.

**Moulage avec une boite a mouler en trois parties** (*Motion picture*) U. S. Office of Education, 1954.

35 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 5)

Order no. OE 432–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding with a three part flask.

*Buy from* UWF.

**Moulage avec une machine à secousse et à compression** (*Motion picture*) U. S. Office of Education, 1954.

10 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage mécanique)

Order no. OE 433–Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding on a jolt squeeze machine.

*Buy from* UWF.

**Moulage d'un modèle en deux parties** (*Motion picture*) U. S. Office of Education, 1954.

19 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 4)

Order no. OE 426–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding with a split pattern.

*Buy from* UWF.

**Moulage d'un modèle solide; sur le plancher** (*Motion picture*) U. S. Office of Education, 1954.

24 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 1)

Order no. OE 428–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding with a loose pattern; floor.

*Buy from* UWF.

**Moulage d'une pièce avec un noyau horizontal** (*Motion picture*) U. S. Office of Education, 1954.

22 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 4)

Order no. OE 431–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding a horizontal cored part.

*Buy from* UWF.

**Moulage d'une pièce avec un noyau profond de sable vert** (*Motion picture*) U. S. Office of Education, 1954.

25 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 2)

Order no. OE 429–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding part with deep green sand core.

*Buy from* UWF.

**Moulage d'une pièce portant un noyau vertical** (*Motion picture*) U. S. Office of Education, 1954.

19 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage au banc, no. 3)

Order no. OE 425–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1944 under the title Molding part having a vertical core.

*Buy from* UWF.

**Moulage du corps d'une soupage** (*Motion picture*) U. S. Office of Education, 1954.

26 min., sd., b&w, 16 mm. (Technique de fonderie. Moulage sur le plancher, no. 3)

Order no. OE 430–Fr.

French version, prepared by the Office provincial de publicité ciné-photo, Quebec, of the motion picture released in 1945 under the title Molding a valve body.

*Buy from* UWF.

Moulage mécanique
see Technique de fonderie. Moulage mécanique

Moulage sur le plancher
see Technique de fonderie. Moulage sur le plancher

**Mountain water** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

17 min., sd., color, 16 mm.

*Summary:* Shows how the water supply for industrial, agricultural, and domestic uses in the western United States depends on mountain water, and the need for the conservation of forests and other vegetation on the mountains.

*Rent from* DA film libraries. *Buy from* UWF.

**Movements of Endamoeba histolytica** (*Motion picture*) U. S. Public Health Service, 1947.

2 min., si., color, 16 mm. (Parasitology series)

Order no. 4–061.

*Summary:* Cinemicrography of typical motility and ingested red cells of trophozoite of *Endamoeba histolytica* from a clinical case of amoebic dysentery.

*Borrow from* PHS. *Buy from* UWF.

**Mud Mountain Dam** (*Motion picture*) U. S. Army Engineers, 1956.

28 min., sd., color, 16 mm.

*Summary:* Explains the need for, construction of, and benefits derived from the combination earth-core rock-fill dam located on the White River in the western section of the State of Washington.

*Borrow from* Eng. *Cleared for tv.*

**Multiple closure of fistulae between the aortic and portacaval systems** (*Motion picture*) U. S. Dept. of the Navy, 1957.

20 min., sd., color, 16 mm.

Order no. MED 7–57.

*Summary:* Technical report of a case, involving a 19-year-old male who, as a result of a gunshot wound, developed independent arteriovenous fistulae between the vena cava and the aorta, and between the portal vein and the hepatic artery, resulting in marked cardiac enlargement and failure. Demonstrates a left thoracoabdominal approach to permit dissection of the aorta from the left by reflection, and of the spleen and abdominal viscera from the right. Shows exploration for, location of, and closure of the two fistulae.

*Borrow from* Navy.

**Multiple cylinder engines** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

40 fr., b&w, 35 mm.

Order no. SCG 154–b, formerly SG 1683.

*Summary:* Explains the layout of a multiple cylinder engine and the principle of staggering the firing order of the cylinders.

*Buy from* UWF.

**Multiple switchboards: Installation and operation** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

24 min., sd., b&w, 16 mm.

Order no. TF 11–1555.

*Summary:* Shows a typical field army organization with its telephones and switchboards; points out the advantages of multiple switchboards over interposition trunking of switchboards; and explains common and local batteries, their tactical use, advantages, and capacity traffic.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Multiple wounds of left leg with amputation: Primary debridement of knee wound; delayed closure 5th day** (*Motion picture*) U. S. Dept. of the Navy, 1954.

10 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)

Order no. MN 8056–j.

*Summary:* Demonstrates excision of the patella, toilet of the joint, and closure of the joint capsule. Shows instillation of an antibiotic solution and application of fine mesh gauze to a knee wound. Demonstrates delayed closure on the 5th day, including tailoring of the tibial and fibular stump, and closure of the knee wound and skin flaps with stainless steel sutures.

*Borrow from* Navy.

**Multiple wounds, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., color, 16 mm. (Medicine in action series, no. 9)

Order no. MN 3726–i.

*Summary:* Follows the progress of a battle casualty with multiple wounds. Shows emergency treatment in the field, guillotine amputation of leg, dressing for traction, treatment of minor leg wounds, cleaning and debridement of facial wounds, grafting of skin, evisceration of damaged eye, enucleation of other eye, reamputation, rehabilitation at a school for the blind.

*Borrow from* Navy. *Buy from* UWF.

**Multiplex mapping, part 1** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

26 min., sd., color, 16 mm.

Order no. TF 5–1549.

*Summary:* Describes the multiplex method of producing accurate topographical maps from aerial photographs. Primarily for technical use.

*Borrow from* Army. *Buy from* UWF.

**Multiplex mapping, part 2** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public education use, 1956.
40 min., sd., color, 16 mm.
Order no. TF 5–1546.
*Summary:* Explains the process of converting three-dimensional aerial photographs into topographical maps. For technical use.
*Borrow from* Army.

Multiplication and division of directed numbers
see Beginning algebra I, lecture 8: Multiplication and division of directed numbers

Municipal sewage treatment plants series
see
Activated sludge plant with vacuum filtration and incineration
Chemical precipitation treatment plants with two-stage digestion
Primary treatment plants
Trickling filter plants

**Municipal sewage treatment processes** (*Motion picture*) U. S. Public Health Service, 1951.
13 min., sd., b&w, 16 mm.
Order no. M 6
*Summary:* Shows the equipment and explains the processes used by U. S. cities to reduce sewage to harmless effluent and solids, thus protecting the health of residents and conserving water resources.
*Borrow from* PHS. *Buy from* UWF.

**Museum of art** (*Motion picture*) U. S. Information Agency, 1958. Made by G. M. Productions. Released for public educational use in the United States through U. S. Office of Education, 1958.
27 min., sd., color, 16 mm.
*Summary:* Describes the role of art museums in communities throughout the United States, and shows examples of art treasures on public display. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Museum of Science and Industry** (*Motion picture*) U. S. Dept. of State, 1948. Made by Herbert Kerkow Productions. Released for educational use in the United States through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm.
*Summary:* A camera tour of the Museum of Science and Industry in Chicago. Explains the relationship between scientific principles and industrial achievements. Prepared for overseas use.
*Buy from* UWF.

**Museums for school children** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by James & Schwep. Released for public educational use through U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm.
*Summary:* Portrays the facilities and explains the educational values of children's museums in the United States. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**My child is blind** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
*Summary:* Shows how a blind child, given special training at a school for blind children, can be taught to do many things that normal children do. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**My conservation reserve acres** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
*Summary:* Shows how a farmer and a local Soil Conservation Service technician work out a plan for participating in the conservation reserve part of America's agricultural soil bank program, using the farmer's land capability map as a guide to determine which fields are less productive and should be planted to trees and grass.
*Rent from* DA film libraries. *Cleared for tv.*

**A mycological slide culture technique** (*Filmstrip*) U. S. Public Health Service, 1951.
36 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 4 min.
Order no. F 24.
*Summary:* Shows how to grow fungi on glass slides in a moist chamber in order to observe the undisturbed relationship between reproductive structures and mycelium.
*Borrow from* PHS. *Buy from* UWF.

**Mycosis fungoides** (*Motion picture*) U. S. Veterans Administration, 1952. Made by U. S. Dept. of Agriculture.
16 min., sd., color, 16 mm.
*Summary:* Discusses the historical development, classification, and clinical and histopathological features of mycosis fungoides; emphasizes histological criteria for diagnosis; shows clinical appearances of the pre-mycotic, mycotic, and ulcerative phases of the disease; and follows a case over a four-year period from early pre-mycotic to autopsy findings. For medical personnel.
*Borrow from* VA. *Buy from* UWF.

# N

**NACA crash fire research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.
40 min., sd., color, 16 mm.
Order no. TF 26.
*Summary:* Pictures full-scale airplane crashes staged at Ravenna Arsenal, Ohio, by NACA research scientists, to study the sources of fire ignition and ways to prevent fire. Discusses results of this investigation. For technical personnel, to be used with NACA Research memorandum E52F06: Mechanism of start and development of aircraft crash fires.
*Borrow from* NASA.

**The NACA free-spinning wind tunnel** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1936.
15 min., si., b&w, 16 mm.
Order no. TF 9.
*Summary:* Shows typical models of airplanes, test techniques, and tests to determine spinning characteristics; includes picture and schematic diagram of the NACA vertical free-spinning wind tunnel. A record film for technical personnel, to be used with NACA Report 557; preliminary tests in the NACA free-spinning wind tunnel.
*Borrow from* NASA.

**NACA high-speed flight research station** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
14 min., si. at sd. speed, color, 16 mm.
Sound version also released in 1952 with the title High-speed flight research at Muroc.
*Summary:* Shows some of the highly-instrumented aircraft and operations in a program of flight research at speeds approaching and exceeding the speed of sound, conducted by the NACA in cooperation with the U. S. Air Force, U. S. Navy, and aircraft manufacturers. For use by technical personnel.
*Borrow from* NASA.

NACA high-speed flight research station
see also
High-speed flight research [at Muroc]

**NACA research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

18 min., sd., color, 16 mm.

With lecture notes.

***Summary:*** Visualizes and explains the operations of the National Advisory Committee for Aeronautics, activities carried on at NACA research centers, and various research facilities used at these centers, including wind tunnels, rocket-propelled models and full-scale airplanes. Also discusses aerodynamic experiments, work on aircraft structures, and developments in jet propulsion.

*Borrow from* NASA.

**NATO: Action for defense** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

20 min., sd., b&w, 16 mm.

Order no. AFSR 140.

***Summary:*** Explains the origin and purposes of NATO, the North Atlantic Treaty Organization. Shows some of the joint training exercises conducted in Europe in the fall of 1951.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**NATO seapower for peace** (*Motion picture*) U. S. Dept. of the Navy, 1957.

28 min., sd., b&w, 16 mm.

Order no. MN 8546.

***Summary:*** Reviews the activities and functions of SACLANT (Supreme Allied Command Atlantic) and its capabilities for the defense of NATO (North Atlantic Treaty Organization)

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**NIKE: For defense of America** (*Motion picture*) U. S. Dept. of the Army, 1958.

13 min., sd., color, 16 mm.

Order no. MF 44–8852.

***Summary:*** Reviews the development of the NIKE missile and its features and capabilities. Illustrates the operation of a NIKE battery under simulated tactical conditions, and presents the successful NIKE test conducted in 1950 at the White Sands Proving Ground.

*Borrow from* Army. *Cleared for tv.*

**The n. p. patient** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

28 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)

Order no. MN 1511–r.

***Summary:*** Illustrates how to care for and handle neuropsychiatric patients; typical cases and their treatment; and corpsmen's importance in patients' recovery. Limited to professional medical use.

*Borrow from* Navy. *Buy from* UWF.

**NYU television workshop** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Murphy Lillis Productions. Released for public educational use through U. S. Office of Education, 1950.

9 min., sd., b&w, 16 mm.

***Summary:*** Depicts the work of a television workshop at New York University; describes the various crafts required in the production of a dramatic television program; also shows students at work in one of New York's commercial television studios. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Naples to Cassino** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

26 min., sd., b&w, 16 mm. (Historical reports series)

Order no. HR–C–3.

***Summary:*** Scenes of fighting during the drive of Allied forces from Naples to Cassino, Italy, during World War II.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

The Nation expands to the Pacific
see American history I, lecture 13: The Nation expands to the Pacific

**A nation in torment** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.

11 min., sd., b&w, 16 mm.

***Summary:*** Reviews briefly the history of Hungary with particular reference to the period 1946–56; describes the October 1956 revolt of the people, its repression by Soviet troops, and the exodus of Hungarian refugees. Prepared for overseas use.

*Buy from* UWF.

**The national anthem** (*Motion picture*) U. S. Marine Corps, 1950. Made by U. S. Dept. of the Navy.

2 min., sd., b&w, 16 mm.

Order no. MH 6952.

***Summary:*** The U. S. Marine Band plays the Star Spangled Banner.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**National Folk Festival, part 1** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

***Summary:*** Scenes of folk dances performed at the National Folk Festival in St. Louis, Mo., in 1949, including examples of Western, German, and Philippine dances, a New England barn dance, and the Scottish highland fling. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**National Folk Festival, part 2** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

***Summary:*** Scenes of folk dances and songs performed at the National Folk Festival in St. Louis, Mo., in 1949, including Polish, English, Croatian, American Indian, Lithuanian, Ukrainian, Texas, and Tennessee dances, and Negro and Yugoslav songs. Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**National Folk Festival, part 3** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

10 min., sd., b&w, 16 mm.

***Summary:*** Scenes of folk dances and songs performed at the National Folk Festival in St. Louis, Mo., in 1949, including examples of Israelian, Russian, Czechoslovakian, and American square dances, and Ozark ballads, songs of Pennsylvania coal miners, Spanish-American songs, and "Casey Jones." Prepared for use in occupied areas.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The National 4–H Club Camp** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

35 double fr., b&w, 35 mm.

Order no. 679.

With lecture notes.

***Summary:*** Highlights of the 17th National 4–H Club Camp, Washington, D. C.

*Buy from* PhotoLab.

**National Gallery of Art** (*Motion picture*) National Gallery of Art, 1943. Made by U. S. Office of Strategic Services.

14 min., sd., b&w, with color sequence, 16 mm.

***Summary:*** Exterior and interior views of the Natural Gallery of Art, Washington, D. C. Explains the lighting and air conditioning systems used in the Gallery. Includes close-ups of many of the pictures in the collections.

*Borrow from* NGA.

**The nature of plant diseases** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of West Virginia University, 1939.

47 fr., b&w, 35 mm.

Order no. 165.

With lecture notes.

***Summary:*** Shows the structure and development of fungi, how fungi cause diseases on various parts of cultivated plants, and methods for control of fungi.

*Buy from* PhotoLab.

**Nautical astronomy** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

23 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–c.
*Summary:* Explains how the celestial coordinates are placed in relation to the earth, and how declination, zenith point, nadir line, and the June and September solstices are used in celestial navigation. College level.
*Borrow from* Navy. *Buy from* UWF.

**The Nautilus crosses the top of the world** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

10 min., sd., b&w, 16 mm.
*Summary:* Describes the four-day journey of the atomic-powered submarine Nautilus under the polar ice cap from Point Barrow, Alaska, to the Greenland Sea. Rear Admiral Hyman Rickover describes the ship's atomic reactor and Commander William R. Anderson is decorated by the President. Included is footage with live sound on the count-down across the North Pole. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Naval aviation and you** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

26 min., sd., color, 16 mm.
Order no. MN 9229.
*Summary:* A recruiting film explaining the twelve NavAir rates, showing their jobs afloat, and emphasizing the training received at naval air technical training schools. Reviews the four phases of primary school training and the training for each of the rates in the specialty advanced schools.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval aviator. Part 1: Basic training** (*Motion picture*) U. S. Dept. of the Navy, 1950.

18 min., sd., color, 16 mm.
Order no. MN 6648–a.
*Summary:* Dramatized story of a boy who, after reading about naval air battles of World War II, enlists in the U. S. Navy and becomes a student at the Naval Air Station, Pensacola, Fla. Pictures aspects of the basic training given recruits.
*Borrow from* Navy. *Cleared for tv.*

**Naval aviator. Part 2: Advanced training** (*Motion picture*) U. S. Dept. of the Navy, 1950.

16 min., sd., color, 16 mm.
Order no. MN 6648–b.
*Summary:* Dramatized story of two boys who, having completed basic training, enter and complete advanced training at the Naval Air Station, Corpus Christi, Texas.
*Borrow from* Navy. *Cleared for tv.*

**Naval chapels in the Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1948.

10 min., sd., color, 16 mm.
Order no. MN 9153.
*Summary:* Describes the duties of a Navy chaplain aboard ship and at a Pacific island base.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval epidemiology** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., color, 16 mm. (Medicine in action series, no. 10)
Order no. MN 3726–l.
*Summary:* Brief survey of epidemiology; shows Navy working against typhus, cholera, and malaria by enforcing cleanliness, spraying and filling in swamps.
*Borrow from* Navy. *Buy from* UWF.

**The Naval establishment: Bureau of Yards and Docks** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Audio Pictures.

18 min., sd., b&w, 16 mm.
Order no. MN 6992–c.
*Summary:* Shows the primary responsibilities and functions of the Bureau of Yards and Docks of the U. S. Navy, with emphasis upon planning, design, research, and construction.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The naval gun at Okinawa** (*Motion picture*) U. S. Navy Dept., 1946. Made by Jam Handy Organization.

20 min., sd., b&w, 16 mm.
Order no. MN 5567.
*Summary:* A photographic report and evaluation of naval gunfire support during the Okinawa campaign.
*Borrow from* Navy.

**The Naval Gun Factory** (*Motion picture*) U. S. Dept. of the Navy, 1952.

15 min., sd., b&w, 16 mm.
Order no. MN 7316.
*Summary:* By describing the various steps involved in the complete production of the 3 inch 50 caliber twin-mount gun, presents a cross section of the Gun Factory, outlining the main facets and the wide diversification of the plant.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval medical research: A survey, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1955.

26 min., sd., color, 16 mm.
Order no. MN 7929–a.
*Summary:* A survey of research projects including studies of the physiology of weight increase among naval recruits; metabolism and physiological responses of the total human organism in the Navy's total calorimeter; the relationship between lung capacity and general physical condition; schistosomiasis; new developments in the diagnosis of syphillis; antimalarials and the mechanism of immunity, using the mosquito as the test subject; the use of insecticides on disease-carrying insects; diseases of the upper respiratory tract; the mechanism of dental caries; sterile autopsy; the preservation of tissues in bone, muscle, and aortic grafting; homotransplantation of kidneys in experimental animals using a polyethylene envelope, etc.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval medical research: A survey, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1955.

26 min., sd., color, 16 mm.
Order no. MN 7929–b.
*Summary:* A survey of research projects, including studies concerned with the search for plasma expanders; the development of body armor to prevent wounds of the chest and the abdomen; the effects of atomic weapons; the development of improved operational devices such as the hull indicator board for submarines; the development of better submarine escape methods; the determining of safe levels of carbon dioxide in prolonged submerged operations of submarines; the development of survival clothing and better methods of detection of survivors; the increasing of man's ability to overcome the physical limitations of high altitude flying in modern high-performance aircraft; the effects of linear acceleration on man; the development of better escape methods for high-performance aircraft; the effects of sustained acceleration on humans; etc.
*Borrow from* Navy. *Buy from* UWF.

**Naval Noel: Angels we have heard on high** (*Motion picture*) U. S. Dept. of the Navy, 1956.

4 min., sd., color, 16 mm.
Order no. MN 8415–d.
*Summary:* The U. S. Naval Academy Glee Club sings the Christmas carol, Angels we have heard on high.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: Carol of the bells** (*Motion picture*) U. S. Dept. of the Navy, 1956.

4 min., sd., color, 16 mm.
Order no. MN 8415–c.
*Summary:* The U. S. Naval Academy Glee Club sings the Christmas carol, Carol of the bells.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: Good Christian men rejoice** (*Motion picture*) U. S. Dept. of the Navy, 1956.

4 min., sd., color, 16 mm.
Order no. MN 8415–h.
*Summary:* The U. S. Naval Training Center Choir, Bainbridge, Md., sings the Christmas carol, Good Christian men rejoice.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: I saw three ships** (*Motion picture*) U. S. Dept. of the Navy, 1956.

4 min., sd., color, 16 mm.
Order no. MN 8415–a.
*Summary:* The U. S. Naval Academy Glee Club sings the Christmas carol, I saw three ships.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: Joy to the world** (*Motion picture*) U. S. Dept. of the Navy, 1956.
4 min., sd., color, 16 mm.
Order no. MN 8415–g.
*Summary:* The U. S. Naval Training Center Choir, Bainbridge, Md., sings the Christmas carol, Joy to the world.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: Lo, how a rose e'er blooming** (*Motion picture*) U. S. Dept. of the Navy, 1956.
4 min., sd., color, 16 mm.
Order no. MN 8415–f.
*Summary:* The U. S. Naval Training Center Choir, Bainbridge, Md., sings the Christmas carol, Lo, how a rose e'er blooming.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: Noel** (*Motion picture*) U. S. Dept. of the Navy, 1956.
4 min., sd., color, 16 mm.
Order no. MN 8415–b.
*Summary:* The U. S. Naval Academy Glee Club sings the Christmas carol, Noel.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Noel: Silent night** (*Motion picture*) U. S. Dept. of the Navy, 1956.
4 min., sd., color, 16 mm.
Order no. MN 8415–e.
*Summary:* The U. S. Naval Training Center Choir, Bainbridge, Md., sings the Christmas carol, Silent night.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval Ordnance Laboratory: The N-O-L story** (*Motion picture*) U. S. Dept. of the Navy, 1951.
20 min., sd., color, 16 mm.
Order no. MN 9165.
*Summary:* Describes the work involved in the research and development of the U. S. Navy's latest (1951) weapons. Sequences feature supersonic wind tunnels, ten-million volt betatron, giant magnetic coils, bomb-drop test tower, and hydrostatic pressure tanks.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Naval Research Laboratory reactor** (*Motion picture*) U. S. Dept. of the Navy, 1959.
21 min., sd., color, 16 mm.
Order no. MN 8865.
*Summary:* Explains the construction, operation, and uses to which the Naval Research Laboratory reactor is adapted.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Naval School of Music** (*Motion picture*) U. S. Dept. of the Navy, 1958.
14 min., sd., b&w, 16 mm.
Order no. MN 8509.
*Summary:* Describes the various musical activities provided at the Naval School of Music, and explains how musicians receive their training in preparation for assignment to Navy bands.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Naval shipyards serve the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.
13 min., sd., color, 16 mm.
Order no. MN 7479.
*Summary:* Explains the organization and activities of naval shipyards; the contribution each shop in the shipyard makes toward the maintenance, repair, and overhaul of ships; and the importance of naval shipyards to the operating efficiency of the fleet.
*Borrow from* Navy. *Cleared for tv.*

**Naval steam turbines: How turbines work** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks & Norling.
17 min., sd., b&w, 16 mm.
Order no. MN 6732–b.
*Summary:* Discusses the basic principles and design of main propulsion and auxiliary steam turbines in Navy use. Explains differences between impulse and reaction thrust, how turbines work on steam velocity produced by drops in pressure and complexities of the marine steam turbine, due to many variations in design to meet various requirements.
*Borrow from* Navy. *Buy from* UWF.

**Naval steam turbines: The steam cycle** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Loucks & Norling.
14 min., sd., b&w, 16 mm.
Order no. MN 6732–a.
*Summary:* Explains the principles of the steam cycle in four successive phases: generation, expansion, condensation, and feeding; and the application of these principles in the ship's power plant.
*Borrow from* Navy. *Buy from* UWF.

**Naval steam turbines: Turbine casualties** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks and Norling Studios.
12 min., sd., b&w, 16 mm.
Order no. MN 6732–c.
*Summary:* Explains the delicate nature of turbine equipment and the care which should be observed in its oiling, cleaning, and maintenance.
*Borrow from* Navy. *Buy from* UWF.

**The naval wars with France and Tripoli** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Creative Arts Studio.
28 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–b.
*Summary:* Presents through still pictures, using the filmograph technique, the naval history of the United States from 1785 to 1805. Includes scenes of the wars with France, 1798–1800, and with Tripoli, 1801–1805; arrival of U. S. Fleets in the Mediterranean; destruction of the frigate Philadelphia; bombardment of Tripoli; and the march on Derna.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navigation and the weather** (*Filmstrip*) U. S. Civil Air Patrol, 1957.
50 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 12 min. microgroove.
Based on Civil Air Patrol instructor's guide of the same title.
*Summary:* Describes the theory and methods of air navigation, the use of aeronautical charts, and weather phenomena encountered in flight.
*Buy from* CAP.

Navigation series
see
Aerial map reading
The American nautical almanac for the year 1943
The astronomical triangle
Charts
Dead reckoning: air
Dead reckoning: Plotting, and celestial lines of position
The earth
The link sextant, air
Nautical astronomy
Night piloting, surface
Piloting, surface
The Pioneer bubble sextant, Mark 5, part 1
The Pioneer bubble sextant, Mark 5. Part 2: Averaging device, adjustments, and practical use
Relative movement. Part 1: Relative movement and interception
Relative movement. Part 2: Out and in search, relative wind
Relative movement. Part 3: Geographic sector search, relative sector
Rude star identifier
Star identification
The sextant, surface
Time
Time in the air

**The Navy and science** (*Motion picture*) U. S. Dept. of the Navy, 1951.

12 min., sd., b&w, 16 mm.

Order no. MN 6658.

*Summary:* Highlights some of the scientific research programs being conducted by the Navy.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy chaplains, photo report** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

16 min., sd., b&w, 16 mm.

Order no. MN 5125.

*Summary:* Explains the training program of Navy chaplains including physical education, instruction in other creeds, conduct of services, and Navy regulations.

*Borrow from* Navy. *Buy from* UWF.

**Navy civil engineers** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1952

16 min., sd., b&w, 16 mm.

Order no. MN 6766.

*Summary:* Gives a brief history of the Civil Engineer Corps of the U. S. Navy and portrays some of its functions and accomplishments, particularly the construction of dry docks. Deals briefly with the CB's (construction battalions) and their accomplishments.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy decline, the new Navy, and the war with Spain, 1865–1898** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

21 min., sd., color, 16 mm. (History of the United States Navy series)

Order no. FN 6943–g.

*Summary:* Traces the decline of the U. S. Navy following the Civil War and the subsequent building of the "new Navy" in the 1880's, based on the dynamic philosophy of sea power expressed by Alfred Thayer Mahan. Describes the role of the Navy in the war with Spain and its development into a world naval power.

*Borrow from* Navy. *Buy from* UWF.

**The Navy Dental Corps** (*Motion picture*) U. S. Navy Dept., 1959. Made by Roland Reed Productions.

27 min., sd., color, 16 mm.

Order no. MN 8567.

*Summary:* A description of life in the Navy Dental Corps, presented as a portrayal of the first few years in the career of a dental officer, with emphasis on the variety of professional opportunities available. Principal sequences illustrate his clinical experience, domestic and social life, sea duty including visits to foreign ports, postgraduate work, and a projection into his possible future.

*Borrow from* Navy.

**The Navy flight surgeon** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Willard Pictures.

25 min., sd., color, 16 mm.

Order no. MN 6937.

*Summary:* Portrays the typical career of a doctor in aviation medicine, reviews his specialized training for flight surgeon's wings, and explains the variety of his possible assignments.

*Borrow from* Navy.

**The Navy frogmen** (*Motion picture*) U. S. Dept. of the Navy, 1957.

29 min., sd., b&w, 16 mm.

Order no. MN 8328.

*Summary:* Shows the training of U. S. Navy frogmen, including the underwater training tank at New London, Conn.; advanced training at St. Thomas, Virgin Islands; underwater swimming sequences with the aqua lung and Pirelli lung; and an underwater spear fishing sequence.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Navy goes to church: Thine is the power** (*Motion picture*) U. S. Dept. of the Navy, 1959.

20 min., sd., b&w, 16 mm.

Order no. MN 8751–a.

*Summary:* Depicts the Navy's concern for the spiritual welfare of its personnel in various operational situations.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy materials handling equipment operation** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters, inc.

19 min., sd., b&w, 16 mm.

Order no. MN 7285.

*Summary:* Shows many types of materials handling equipment including the hand pallet truck, the fork lift, and the tractor-trailer train. Emphasizes preliminary checking of equipment before use and safety precautions during operation.

*Borrow from* Navy. *Buy from* UWF.

**Navy materials handling: The fork truck** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Logistics series)

Order no. MN 2294–b.

*Summary:* Compares old and new methods of handling materials and demonstrates use of two- and four-wheel hand trucks. Shows the advantage of using hand-lift pallet trucks and fork and fork-pallet trucks.

*Borrow from* Navy. *Buy from* UWF.

**Navy materials handling: The unit load** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Logistics series)

Order no. MN 2294–c.

*Summary:* Shows handling of supplies by unit loads from their source to their destination with the aid of fork trucks, street trailers, and semi-trailers. Compares the speed of handling by palletized unit loads with hand and bucket brigade methods.

*Borrow from* Navy. *Buy from* UWF.

**Navy men** (*Motion picture*) U. S. Dept. of the Navy, 1956.

28 min., sd., b&w, 16 mm.

Order no. MN 8267.

*Summary:* Describes the life of a typical recruit at a Navy training center, including military indoctrination, seamanship, classroom and laboratory studies, religious observance, and recreational activities.

*Borrow from* Navy. *Cleared for tv.*

**Navy news of 1955** (*Motion picture*) U. S. Dept. of the Navy, 1956.

19 min., sd., b&w, 16 mm.

Order no. MN 8416.

*Summary:* Shows highlights of Navy news events occurring during January through June, 1955.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy news of 1955, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1956.

21 min., sd., b&w, 16 mm.

Order no. MN 8416–b.

*Summary:* Shows the highlights of nationally important Navy news events which occurred from July through December, 1955.

*Borrow from* Navy. *Cleared for tv.*

**Navy news of 1956, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1957.

18 min., sd., b&w, 16 mm.

Order no. MN 8544–a.

*Summary:* Shows highlights of newsworthy Navy events occurring during the first half of 1956.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy news of 1956, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1957.

21 min., sd., b&w, 16 mm.

Order no. MN 8544–b.

*Summary:* Shows high lights of newsworthy Navy events occurring during the second half of 1956.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Navy nurse** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.
24 min., sd., color, 16 mm.
Order no. MN 7339.
*Summary:* Portrays the activities of a Navy nurse, Ensign Janet Lee, at a U. S. Navy hospital—her indoctrination, ward duty, teaching and nursing responsibilities, social and professional life. Designed primarily for recruiting.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy photography in intelligence** (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm.
Order no. MN 5348–d.
*Summary:* Shows how aerial mosaics, stills, and other photographic reports yield vital information concerning all phases of enemy positions and war potential.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy photography in science** (*Motion picture*) U. S. Dept of the Navy, 1948. Made by De Frenes.
28 min., sd., color, 16 mm.
Order no. MN 5348–c.
*Summary:* Shows uses of photography in scientific research—time-lapse, high-speed, slow-motion, stroboscopic, microscopic, and underwater techniques. Includes scenes of the moon in motion, blood circulation in the brain, and the earth from 101 miles altitude.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Navy quiz series
see
Aerology
Weather map symbols

**Navy Relief Society** (*Motion picture*) U. S. Dept. of the Navy, 1951.
15 min., sd., b&w, 16 mm.
Order no. MN 7370.
*Summary:* Explains the purposes, activities, and benefits of the Navy Relief Society.
*Borrow from* Navy. *Cleared for tv.*

**Navy-Rice Cotton Bowl Football Game** (*Motion picture*) U. S. Dept. of the Navy, 1958.
15 min., sd., b&w, 16 mm.
Order no. MN 8830.
*Summary:* Scenes of the Cotton Bowl Game of 1957 between the U. S. Naval Academy and Rice Institute, Texas.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1957, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.
21 min., sd., b&w, 16 mm.
Order no. MN 8753–a.
*Summary:* Highlights of outstanding events in the U. S. Navy for the first six months of the year 1957.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1957, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1958.
22 min., sd., b&w, 16 mm.
Order no. MN 8753–b.
*Summary:* Highlights of outstanding events in the U. S. Navy for the last six months of the year 1957.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1958, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.
19 min., sd., b&w, 16 mm.
Order no. MN 8818–a.
*Summary:* Shows highlights of important Navy news events occurring from January through June 1958.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1958, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.
20 min., sd., b&w, 16 mm.
Order no. MN 8818–b.
*Summary:* Highlights of newsworthy events in the Navy during the period of July 1, 1958, to December 31, 1958.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1959, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8971–a.
*Summary:* Shows highlights of important events in the Navy during the period January through June 1959.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1959, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8984–a.
*Summary:* Shows highlights of events occurring in the Navy during the period July to October 1959.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy screen highlights, 1959, part 3** (*Motion picture*) U. S. Dept. of the Navy, 1960.
14 min., sd., b&w, 16 mm.
Order no. MN 8984–b.
*Summary:* Shows highlights of news events occurring in the Navy during the period from October 1 to December 31, 1959.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy Sierra snow tests** (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1953.
10 min., sd., b&w, 16 mm.
Order no. MN 6912–b.
*Summary:* Portrays new developments in cold weather equipment and techniques, including snow testing, snow compaction, special-type vehicles, small-size snow plows, engine starting, field repair units, and fresh water manufacture.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Navy standard physical fitness test** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use thruugh U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Physical fitness training series)
Order no. MN 2652–a.
*Summary:* Shows how to give physical fitness tests designed to measure strength, endurance, stamina, and agility.
*Borrow from* Navy. *Buy from* UWF.

**Navy standard swimming tests and abandoning ship drills** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Physical fitness training series)
Order no. MN 2652–b.
*Summary:* Shows various tests given to Navy personnel to determine swimming abilities; and illustrates abandoning ship drills.
*Borrow from* Navy. *Buy from* UWF.

**The Navy supply system** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Loucks and Norling Studios.
14 min., sd., color, 16 mm.
Order no. FN 7466.
*Summary:* Explains the overall operation of the U. S. Navy supply system with illustrations of how various items are supplied to fleet and shore establishments throughout the world.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Navy tank cleaning procedures series
see
Conversion from black oil to Diesel fuel: Navy improved method
Conversion from black oil to gasoline: Navy chemical method
Maintenance tank cleaning: Butterworth method

**Navy uniform** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Potomac Film Producers.
19 min., sd., b&w, 16 mm.
Order no. AFIF 86.
*Summary:* Tells the story of the U. S. Navy uniform and depicts, using drawings and still photographs, the sailor's garb throughout American history from the American Revolution to the present time.
*Borrow from* Army. *Cleared for tv.*

**Navy wings of gold** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Jam Handy Organization.
28 min., sd., color, 16 mm.
Order no. MN 8564.
*Summary:* A documentary showing the training program of naval aviators.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Nazis strike** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.
41 min., sd., b&w, 16 mm. (Why we fight series)
Order no. OF 2.
*Summary:* Documentary film record of Germany's preparations for war, the conquest of Austria and Czechoslovakia, and the attack upon Poland.
*Borrow from* Army. *Buy from* UWF.

**The near horizon** (*Motion picture*) U. S. Information Agency, 1955. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1955.
18 min., sd., b&w, 16 mm.
*Summary:* Describes past progress and current economic developments in Latin America; illustrates principles of modern economic development and interdependence; shows progress in industry, agriculture, power, and transportation; and describes the extent of intrahemispheric trade. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Negative scribing** (*Motion picture*) U. S. Geological Survey, 1953.
24 min., sd., color, 16 mm.
*Summary:* Discusses the procedures of preparing negatives for map reproduction by hand scribing. Shows the sheet coating and guide copy preparation, and presents close-ups of the various scribing operations and instruments.
*Borrow from* GS.

**Negro colleges in wartime** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
*Summary:* Shows wartime activities carried on in 1943 at Tuskegee Institute, Howard University, Hampton Institute, and other Negro colleges.
*Buy from* UWF.

**Nephroureterectomy** (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., color, 16 mm.
Order no. PMF 5327.
*Summary:* Depicts the clinical diagnosis of ureter infection and the surgical procedure and techniques used in performing a nephroureterectomy—an operation for the removal of a kidney.
*Borrow from* Army.

**Nerve gases. Part 1: Field recognition and self-aid procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.
27 min., sd., b&w, 16 mm.
Order no. TF 3–2593.
*Summary:* Using animation, explains the manner in which nerve gases work and how they affect the body; describes symptoms of nerve-gas poisoning, showing how the eyes, nose, saliva, and breathing are affected; and depicts self-aid procedures in combat, underscoring the proper use of the gas mask and injection of atropine to neutralize the poison.
*Borrow from* Army.

**Neurorrhaphy of median and ulnar nerves in mid-arm** (*Motion picture*) U. S. Dept. of the Army, 1948.
12 min., sd., color, 16 mm.
Order no. PMF 5102
*Summary:* Presents a detailed preoperative evaluation of damage to the right mid-arm traversed by a bullet, followed by surgical repair of the median and ulnar nerves. For medical personnel.
*Borrow from* Army.

**Neurorrhaphy of median and ulnar nerves in the left forearm** (*Motion picture*) U. S. Dept. of the Army, 1948.
14 min., sd., color, 16 mm.
Order no. PMF 5096.
*Summary:* Gives clinical examination details of a left forearm shell fragment case with severed median and ulnar nerves, and the procedure for effecting repair. For medical personnel.
*Borrow from* Army.

**Neurosurgery: Facial neuralgia** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., color, 16 mm.
Order no. MN 2230–e.
*Summary:* Demonstrates the surgical treatment of trigeminal and glossopharyngeal neuralgia. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Neurosurgery: Management of spinal cord injuries** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
8 min., sd., color, 16 mm.
Order no. MN 2230–b.
*Summary:* Demonstrates five steps in the management of spinal cord injuries: surgery, orthopedics, bladder resection, physiotherapy and exercise. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Nevada and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1949.
31 min., sd., color, 16 mm.
Order no. 233.
*Summary:* Panoramic description of Nevada, with emphasis upon its mineral resources and mining operations.
*Borrow from* BM. *Cleared for tv.*

**Never alone** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
23 min., sd., b&w, 16 mm.
Order no. SFP 331.
*Summary:* Describes Protestant, Catholic, and Jewish services, evening devotions, religious instruction, character guidance lectures, and personal advice and guidance available to airmen.
*Borrow from* AF. *Cleared for tv.*

**The new Alaska** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

28 min., sd., color, 16 mm.

***Summary:*** Shows how the national forests of Alaska, through timber, water, recreation, and wildlife, together with the multiple-use management of these resources, contribute to the expanding economy of our 49th State.

***Rent from*** DA film libraries. ***Buy from*** UWF. ***Cleared for tv.***

**A new beginning** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

40 min., sd., b&w, 16 mm.

***Summary:*** Story of the rehabilitation of an injured miner by specialists at the New York University Medical Center with the assistance of the United Mine Workers Welfare Board. Prepared for use in occupied areas.

***Buy from*** UWF. ***Cleared for tv. Prior authorization required.***

**New eyes and new ears** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

***Summary:*** Explains the use of audio-visual materials in Japan, and shows how civilian informational and educational (CI&E) films of the Supreme Commander, Allied Powers are produced for and utilized in Japan. Prepared for use in occupied areas, particularly in Japan.

***Buy from*** UWF.

**The new face of the Soviets** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

50 min., sd., b&w, 16 mm.

Order no. OC 9.

***Summary:*** Dr. Philip Mosely, director of studies of the Council of Foreign Affairs and professor of international relations at the Russian Institute, Columbia University, discusses the political, economic social and military changes in the Soviet policy, and answers questions posed by his audience from the National War College, Washington, D. C.

***Borrow from*** Army. ***Buy from*** UWF. ***Cleared for tv***

**The new gardener** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of North Carolina Extension Service, 1943.

49 fr., b&w, 35 mm.

Order no. 641.

With lecture notes.

***Summary:*** Gives an elementary course in the main steps of gardening—soil preparation, planting methods, transplanting, weeding, staking, and harvesting.

***Buy from*** PhotoLab.

**New Guinea** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

78 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Theatres of war series. Pacific area)

Order no. SN 1538–e.

***Summary:*** Describes how to study the terrain to find the best way to travel; how to use fruits, foliage, fish, and animals of the country; and how to sleep, use first aid kit, and get along with the natives.

***Borrow from*** Navy. ***Buy from*** UWF.

**A new look at electric farming** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

10 min., sd., color, 16 mm.

***Summary:*** Shows uses of electricity in farm production, and a renovated and completely electrified farm kitchen.

***Rent from*** DA film libraries. ***Buy from*** DA. ***Cleared for tv.***

**New look for Niagara** (*Motion picture*) U. S. Army Engineers, 1954.

14 min., sd., color, 16 mm.

***Summary:*** Portrays the investigation being conducted at the Waterways Experiment Station on the hydraulic model of the Niagara River and Falls, and illustrates the requirements of the 1950 Treaty between the United States and Canada for enhancing the spectacle of the falls and at the same time increasing the diversion of the river above the falls for the development of power.

***Borrow from*** Eng. ***Cleared for tv.***

**New mobile bakery equipment** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

23 min., sd., b&w, 16 mm.

Order no. TF 10–1479.

***Summary:*** Shows the equipment and operation of a mobile bakery, developed by the Quartermaster Corps, with its features of manpower economy, time and temperature control, and automatic kneading of dough.

***Borrow from*** Army. ***Buy from*** UWF. ***Cleared for tv.***

**New products from agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

4 min., sd., b&w, 16 mm.

***Summary:*** Describes new and improved products developed by agricultural researchers, such as dextran, flame-proof cotton, and bandages. For television use.

***Borrow from*** DA-MPS. ***Buy from*** DA. ***Cleared for tv.***

**A new supervisor takes a look at his job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

13 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 150.

With instructor's manual.

***Summary:*** A machine tool operator is made a group leader and his plant superintendent explains to him, through dramatized illustrations, the meaning of working with people instead of machines.

***Buy from*** UWF.

**New techniques for rearing blood-sucking insects** (*Filmstrip*) U. S. Public Health Service, 1951.

31 fr., b&w, 35 mm.

Order no. F 98.

With instructor's guide.

***Summary:*** Explains new methods of rearing *Triatoma* bugs and of infecting them with *Trypanosoma cruzi.*

***Borrow from*** PHS.

**New uses for farm products** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

20 min., sd., b&w, 16 mm.

***Summary:*** Reviews the highlights of U. S. Department of Agriculture researchers in their quest for new uses of farm products. Includes reports on instant mashed potatoes, and on research to improve cotton fabrics, starch, and plastics.

***Rent from*** DA film libraries. ***Buy from*** DA. ***Cleared for tv.***

**New weapons and equipment for the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.

26 min., sd., b&w, 16 mm.

Order no. MF 20–8504.

***Summary:*** Explains and illustrates new and improved weapons and equipment for detecting enemy aircraft; intercepting enemy planes; increased mobility in airborne, ground, and amphibious operations; communications; firepower; guided missiles; and protective and fighting equipment for the individual soldier.

***Borrow from*** Army. ***Buy from*** UWF. ***Cleared for tv.***

**Night piloting, surface** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

18 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83–u.

***Summary:*** Studies a night piloting problem and shows the procedure of bringing the U. S. S. Savannah into a harbor at night.

***Borrow from*** Navy. ***Buy from*** UWF.

**Night vision for airmen** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm.

Order no. MN 3462.

***Summary:*** Explains problems faced by flying personnel in seeing at night; shows anatomical and physiological aspects of the eye; and the reasons for and the proper techniques of becoming dark adapted.

***Borrow from*** Navy. ***Buy from*** UWF.

**Nightmare for the bold** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
53 min., sd., b&w, 16 mm.
Order no. TF 1–5301.
*Summary:* Dramatizes events in the life of a fictional A/2C Mike Adams, who must learn to live with a lifetime of regret as the result of an automobile accident.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Nike Ajax** (*Motion picture*) U. S. Dept. of the Army, 1960.
4 min., sd., color, 16 mm.
Order no. MF 45–9513.
*Summary:* Shows the missile check, fueling, and launching of the Nike Ajax at the Army Missile Test Center, White Sands Missile Range, New Mexico. Points out that tests conducted since its development in 1951 have established Nike Ajax as the first combat-ready ground-to-air missile for use against flying targets.
*Borrow from* Army. *Cleared for tv.*

**Nike for the defense of your community** (*Motion picture*) U. S. Dept. of the Army, 1956.
13 min., sd., b&w, 16 mm.
Order no. MF 45–8698.
*Summary:* Tour of the U. S. Army Nike installation in Upper Marlboro, Maryland. Discusses its responsibility as a defense of the Nation's Capital, and points out that it is typical of Nike installations located throughout the country.
*Borrow from* Army. *Cleared for tv.*

**Nike: Guardian of the cities** (*Motion picture*) U. S. Dept. of the Army, 1957.
15 min., sd., b&w, 16 mm.
Order no. TF 44–2530.
*Summary:* Describes the organization of a Nike battery area, explains how enemy aircraft are detected by Nike, and depicts the steps involved in launching and firing Nike Ajax.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The 1949 National 4–H Club Camp** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
60 double fr., color, 35 mm.
Order no. C–1.
With lecture notes.
*Summary:* Highlights of the 19th National 4–H Club Camp, Washington, D. C.
*Buy from* PhotoLab

**1952 Olympic Games** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
29 min., sd., b&w, 16 mm.
Order no. AFIF 36.
*Summary:* Highlights the major competitions of athletes of 67 nations in the 1952 Olympic Games held in Helsinki, Finland. Emphasizes the activities of U. S. athletes. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The 1955 eruption of Kilauea** (*Motion picture*) U. S. Geological Survey, 1958.
11 min., sd., color, 16 mm.
*Summary:* Covers the 1955 eruption of Kilauea, on the island of Hawaii, from the first opening of fissures in the ground, through the appearance of lava, the formation of cone and flows, the display of lava fountains, and the pillows of rising steam as one lava river reaches the sea and sets the ocean aboil.
*Borrow from* GS. *Cleared for tv.*

**No greater heritage** (*Motion picture*) U. S. Dept. of the Army, 1951.
21 min., sd., b&w, 16 mm.
Order no. MF 35–7858.
*Summary:* A dramatized story of the duties and accomplishments of a corporal in the Women's Army Corps who works in a machine records section. Explains training, career opportunities, and educational and recreational activities in the Corps.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**No man alone** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
21 min., sd., b&w, 16 mm.
Order no. SFP 776.
*Summary:* Uses scenes of famous football games and interviews with star players to present the thesis that sportsmanship and teamwork develop the moral fibre required for a useful and well-adjusted life.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**No place like home** (*Motion picture*) U. S. Dept. of Defense, 1947.
8 min., sd., b&w, 16 mm.
On reel with Food for thought.
Order no. AFSR 88.
*Summary:* Points out similarities between home life and army life.
*Borrow from* Army. *Buy from* UWF.

Nomenclature of ships series
see Shipbuilding skills series. Nomenclature of ships

**Noncommissioned officer academy** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
30 min., sd., b&w, 16 mm.
Order no. TF 1–5028.
*Summary:* Describes the training and other benefits that NCO's (noncommissioned officers) receive at NCO academies of the Strategic Air Command.
*Borrow from* AF. *Cleared for tv.*

**Non-judicial punishment** (*Motion picture*) U. S. Dept. of the Army, 1954.
26 min., sd., b&w, 16 mm.
Order no. TF 15–1967.
*Summary:* Defines non-judicial punishment as authorized under Article 15 of the Uniform code of military justice, and presents typical cases to illustrate the feasibility of such punishment and the proper procedure for administering punishment. Illustrated cases involve the careless discharge of a weapon on a firing range, careless use of a weapon, fighting among soldiers in a combat zone, speeding, and failure to attend a special formation.
*Borrow from* Army.

**Non-judicial punishment** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.
22 min., sd., b&w, 16 mm. (Uniform code of military justice series)
Order no. MN 7319–b.
*Summary:* Portrays four cases of minor offenses brought to "Mast," the handling of these cases, and the non-judicial punishment given the offenders under the Uniform code of military justice of the U. S. Armed Forces.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Non-verbal communication** (*Motion picture*) U. S. Veterans Administration, 1952.
27 min., sd., b&w, 16 mm. (Psychotherapeutic interviewing series, no. 4)
*Summary:* Discusses the recognition of the clues of nonverbal communication and the manner in which these clues can be used in an interview situation to obtain information and to further therapy. Illustrates the various points through pictures, with subtitles, of actual unrehearsed interview situations. For professional personnel only.
*Borrow from* VA. *Buy from* UWF.

**Normandy invasion** (*Motion picture*) U. S. Coast Guard, 1944.
19 min., sd., b&w, 16 mm.
*Summary:* Photographic record by U. S. Coast Guard combat photographers of the preparations for and the invasion of Europe in 1944.
*Borrow from* CG.

The North and South fight a bitter war
see American history I, lecture 15: The North and South fight a bitter war

**Northwest U. S. A.** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm. (American scene series, no. 10)
*Summary:* A review of the resources, industries, and people of Oregon and Washington.
*Buy from* UWF.

**The Norway rat, habits and characteristics** (*Motion picture*) U. S. Public Health Service, 1953.
18 min., sd., b&w, 16 mm. (Rodent control, no. 2)
Order no. M 37.1–b.
Short version of the motion picture Habits and characteristics of the rat: The Norway rat, produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Explains and pictures the characteristics and habits of the Norway rats—their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the habits of the Norway rats can you control them.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

The Norway rat, habits and characteristics
see also
Habits and characteristics of the rat: The Norway rat

**Now we are free** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.
26 min., sd., b&w, 16 mm.
*Summary:* Follows a Hungarian family from Budapest, first to Austria, then to Camp Kilmer in New Jersey, and finally to resettlement in a Midwest city in the U. S. Prepared for overseas use.
*Buy from* UWF.

Numerical trigonometry
see Beginning algebra II, lecture 10 [–11]: Numerical trigonometry

**Nuremberg trials** (*Motion picture*) U. S. Dept. of Defense, 1949.
76 min., sd., b&w, 16 mm.
Order no. MF 45–7506.
*Summary:* A film record of the trials of the Nazi leaders at Nuremberg, Germany. Includes scenes from films made by the Nazis which were presented as the documentary evidence of the atrocities committed at concentration camps.
*Borrow from* Army.

**The nurse—epidemiologist** (*Filmstrip*) U. S. Public Health Service, 1959.
95 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. F 361.
*Summary:* Outlines the knowledges, duties, and responsibilities of the public health nurse in an epidemiological investigation. Includes sequences on identification of specific epidemiological patterns of time, place, and persons; the spread of pathogenic organisms; how disease organisms reach the various portals of entry; and chronological order of the nurse's duties during an investigation.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**Nurses in the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.
27 min., sd., b&w, 16 mm.
Order no. MF 8–8564.
*Summary:* Illustrates and explains the duties and services of U. S. Army nurses.
*Borrow from* Army. *Buy from* UWF.

**Nursing care with a Stryker frame** (*Motion picture*) U. S. Dept. of the Army, 1958.
15 min., sd., b&w, 16 mm.
Order no. TF 8–2754.
*Summary:* Describes the various components of the Stryker frame, including the foundation cart, overhead metal bar, utility tray, posterior and anterior frames, face and foot supports, and the three turning straps. Also describes the nursing techniques required in operating the Stryker frame.
*Borrow from* Army.

**Nursing in the tropics** (*Motion picture*) U. S. Dept. of the Army, 1952.
20 min., sd., b&w, 16 mm.
Order no. PMF 5144.
*Summary:* Discusses the problems of preventive medicine and aseptic technique with emphasis on nursing procedures involved in the treatment of gastro-intestinal disorders, fungus infection, malaria, and dengue fever. Designed for nurses and doctors and other hospital personnel living and working in military hospitals in the tropics.
*Borrow from* Army.

Nursing series
see
Bathing the patient: Home care
Care of the cardiac patient
Care of the newborn baby: The nurse's role in instructing the parents
Care of the patient with diabetes mellitus: Complicated
Care of the patient with diabetes mellitus; Uncomplicated
Feeding the patient
Fundamentals of massage
Hydrotherapy
Radiotherapy: High dosage treatment
Recreational and occupational therapy
Teaching crutch walking
Therapeutic uses of heat and cold. Part 1: Administering hot applications
Therapeutic uses of heat and cold. Part 2: Administering cold applications
The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure

**Nursing service in the Navy: The Chief of Nursing Service** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.
11 min., sd., b&w, 16 mm.
Order no. MN 9225–b.
*Summary:* Explains the position, authority, and major responsibilities of the Chief of Nursing Service in a Naval hospital; her delegation of authority, assignment of personnel, general supervision of patient care, and responsibility for the educational development of her staff and nursing instruction of hospital corpsmen.
*Borrow from* Navy.

**Nursing service in the Navy: The nursing service supervisor** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.
21 min., sd., b&w, 16 mm.
Order no. MN 9225–a.
*Summary:* Explains the position, authority, and major responsibilities of the nursing service supervisor in a Naval hospital, pointing out details of her supervision of patient care, distribution and utilization of personnel, staff development, and evaluation of performance.
*Borrow from* Navy.

**Nursing service in the Navy: The ward nurse** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.
16 min., sd., b&w, 16 mm.
Order no. MN 9225–c.
*Summary:* Explains the major responsibilities of a ward nurse in a Naval hospital—those bearing directly on the care of individual patients and those involved in the management of the ward as a unit.
*Borrow from* Navy.

**Nutriculture: Vegetable growing** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
10 min., sd., b&w, 16 mm.
Order no. FB 10-283.
*Summary:* Explains how to grow food crops by artificial feeding through the use of chemical mixtures. Demonstrates the necessary equipment and the techniques to be used.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

## O

**Obey the fire laws** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 3)
*Summary:* Explains the importance of obeying fire laws, particularly in the burning of brush. Prepared for television use.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**An object lesson in fire prevention** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1951.
27 min., sd., b&w, 16 mm.
Order no. MN 6806.
*Summary:* Explains the fire hazards in aviation overhaul and repair shops, and the importance of protective measures. Primarily for management and supervisory personnel.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Objectives of marketing information for consumers** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
16 double fr., color, 35 mm.
Order no. C-32.
With lecture notes.
*Summary:* Designed for use by consumer marketing specialists in explaining consumer marketing programs to the public.
*Buy from* PhotoLab.

**The occluded fronts** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
22 min., sd., color, 16 mm. (Aerology series)
Order no. MN 119-g.
*Summary:* Shows the development and movement of cyclones and the initial stages which are the warm and cold fronts. Demonstrates on a weather map the action of cold and warm front occlusion and points out the weather problems in flight operation.
*Borrow from* Navy.

**Occupational therapy in problems of motion** (*Motion picture*) U. S. Dept. of the Army, 1950.
23 min., sd., b&w, 16 mm.
Order no. PMF 5118-b.
*Summary:* Portrays conditions involving joint limitation, muscle weakness, and lack of coordination, with occupational therapy for such conditions. For professional personnel.
*Borrow from* Army. *Buy from* UWF.

Ocean station vessel crew training in search and rescu series
see Search and rescue series. Ocean station vessel crew training in search and rescue

**O'er the ramparts** (*Motion picture*) U. S. Dept. of the Navy, 1959.
26 min., sd., b&w, 16 mm.
Order no. MN 8420.
*Summary:* Explains the Navy's part in NORAD (North American Air Defense), and shows the Barrier Patrol operating continuously out of Argentia under adverse weather conditions.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Off-site monitoring of fallout from nuclear tests** (*Motion picture*) U. S. Public Health Service, 1958.
29 min., sd., color, 16 mm.
Order no. M 300.
*Summary:* Shows the radiological safety activities of the U. S. Public Health Service carried on at the off-site area of the Atomic Energy Commission test site in Nevada.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Officer Candidate School** (*Motion picture*) U. S. Dept. of the Navy, 1958.
28 min., sd., color, 16 mm.
Order no. MN 8363.
*Summary:* Portrays the training program at the Officer Candidate School, Newport, Rhode Island, including scenes of the candidates in academic work and seamanship. Demonstrates the use of modern training devices in training programs for gunnery, damage control, and navigation; discusses the guidance and supervision of the candidate; and emphasizes the candidate's duties and responsibilities as an officer in the Navy.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Officer school: U. S. Army** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., b&w, 16 mm.
Order no. AFSR 89.
*Summary:* A pictorial review of schools for officers of the United States Army.
*Borrow from* Army. *Buy from* UWF.

**Ohio and its mineral resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Ohio), 1948.
30 min., sd., color, 16 mm.
Order no. 227.
*Summary:* Describes the mineral resources and their production in Ohio, including coal, oil, natural gas, limestone, dolomite, etc., and the manufacture of products from these minerals. Touches on the geography of the State, its industrial areas, and its educational and recreational facilities.
*Borrow from* BM. *Cleared for tv.*

**The Ohio River** (*Motion picture*) U. S. Army Engineers, 1947.
28 min., sd., b&w, 16 mm.
*Summary:* Shows navigation maintenance and flood control work on the Ohio River.
*Borrow from* Eng.

**Ohio town** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm. (Ohio town series)
*Summary:* One day's life in an Ohio town—starting with the newsboy and milkman early in the morning, shows people going to work, the stores opening, workers in a factory, housewives shopping, children at school and play, and closes with the town's families at home in the evening. Focuses upon an election day and the town's citizens voting for mayor.
*Buy from* UWF.

Ohio town series
see
The county agent
The doctor
The mechanic
Ohio town
The school

**Ohm's law** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
19 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 2)
Order no. TF 11-1200.
*Summary:* Explains the elements of electricity; electrical energy, its source, transmission, and use; composition of matter; use of force and energy; how Ohm's law functions; resistance; and the purpose and use of meters.
*Borrow from Army. Buy from UWF.*

**The oil gear hydraulic traversing mechanism, principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm.
Order no. TF 9-1376.
*Summary:* Shows by means of working models and animation how the oil gear traverse mechanism operates, and the path and functioning of oil through an elevated mechanism.
*Borrow from Army. Buy from UWF.*

**Oil systems** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.
32 fr., b&w, 35 mm.
Order no. SN 2792.
*Summary:* Describes two types of internal oil systems: dry sump and wet sump. Illustrates how the dry-sump type functions. Discusses briefly the principal parts of external oil systems.
*Borrow from Navy.*

**Oklahoma and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1953.
29 min., sd., color, 16 mm.
Order no. 223.
A revision of the 1947 motion picture of the same title.
*Summary:* Reviews briefly the history of Oklahoma and shows the mineral resources, mining operations, petroleum production, agriculture, and views of the State.
*Borrow from BM. Cleared for tv.*

**Old age: A generation of elders** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 16)
*Summary:* Presents a report on the American elder generation, what is being done for their housing, health, work, recreation, and income. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Old Ironsides** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
15 min., sd., b&w, 16 mm.
Order no. AFSM 550.
*Summary:* Pictures "Old Ironsides" today, at anchor in Boston Navy Yard.
*Borrow from Army. Cleared for tv.*

**Old MacDonald** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
1 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 2, no. 1)
*Summary:* Animated cartoon, featuring the character Smokey Bear and the tune Old MacDonald, emphasizing forest fire prevention. Prepared primarily for television.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**On foreign shores** (*Motion picture*) U. S. Coast Guard, 1943.
23 min., sd., b&w, 16 mm.
Known also as The Coast Guard at war: part 2: On foreign shores.
*Summary:* Reviews the 1941-45 wartime activities of the U. S. Coast Guard in battle zones. Includes scenes of ten invasions in which the Coast Guard participated.
*Borrow from CG.*

**On parade** (*Motion picture*) U. S. Dept. of the Army, 1953.
17 min., sd., b&w, 16 mm.
Order no. TF 35-1896.
*Summary:* Tells the story of a WAC, her first days as a recruit in the Women's Army Corps, her training, advancement, and pride when "on parade."
*Borrow from Army. Buy from UWF. Cleared for tv.*

**On post safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
Order no. TF 30-1735.
*Summary:* Analyzes the causes of common accidents in the armed forces; recreates typical accidents in which carelessness of the individual soldier was the cause; and stresses the importance of safety consciousness throughout the Armed Forces.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**On target** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
22 min., sd., b&w, 16 mm.
Order no. SFP 550.
*Summary:* Portrays the story of the Strategic Air Command's annual bombing, navigational, and reconnaissance competition from the viewpoint of a B-47 crew member.
*Borrow from AF. Buy from UWF. Cleared for tv.*

On-the-job supervision series
*see*
The cost of an error
The four steps
The job breakdown
Kinda give it your personal attention
Spotting immediate training needs
Stop, look, and question

**On the trail of George Washington** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission and U. S. National Park Service, 1932.
75 fr., b&w, 35 mm.
Order no. 299.
With lecture notes.
*Summary:* Scenes associated with the life of Washington from birth through youth, Mount Vernon days, the war, and early years of the nation.
*Buy from PhotoLab.*

**Once too often** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
28 min., sd., b&w, 16 mm.
Order no. TF 20-1684.
*Summary:* Dramatized story of the precautions and foolish activities of a soldier on leave, which are recorded by an ethereal Fate who finally decides that the soldier has taken a chance "once too often."
*Borrow from Army. Buy from UWF.*

**Once upon a time** (*Motion picture*) U. S. Dept. of Agriculture, 1950.
3 min., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 1, no. 1)
*Summary:* Smokey Bear tells a story of a family—father, mother, and child—who obey all of the rules of safety in their use of fire in the woods.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**155 mm. howitzer: Glamour Gal** (*Motion picture*) U. S. Marine Corps, 1946.
17 min., sd., color, 16 mm.
Order no. MH 4003.
Also known as Glamour Gal.
*Summary:* Story of a 155 mm. howitzer from training stages to completion of the Iwo Jima operation.
*Borrow from Navy.*

**The 106mm rifle. Part 1: Introduction to the weapon** (*Motion picture*) U. S. Dept. of the Army, 1957.
8 min., sd., b&w, 16 mm.
Order no. TF 7-2433.
*Summary:* Explains the characteristics, components, use, and operation of the 106mm rifle M40A1, a recoilless, air cooled, breech loaded, portable weapon consisting of 106mm rifle, cal. .50 spotting rifle, and M79 rifle mount.
*Borrow from* Army. *Cleared for tv.*

**One if by land** (*Motion picture*) U. S. Dept. of the Army, 1956.
27 min., sd., b&w, 16 mm.
Order no. MF 45-8713.
*Summary:* A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power for peace and survival. Highlights events in American history from the war with Tripoli to World War II, and explains the price of unpreparedness.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**One man task force** (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by R. K. O. Productions.
36 min., sd., b&w, 16 mm.
Order no. MN 5355.
*Summary:* Demonstrates the importance and the variety of uses of long range shore-based aircraft in the U. S. Navy.
*Borrow from* Navy.

**Onions and more onions** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
5 min., sd., color, 16 mm. (Consumer education shorts)
*Summary:* Explains the selection, care, and uses of onions. Produced especially for use on television.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Only a bunch of tools** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
28 min., sd., color, 16 mm.
*Summary:* Demonstrates in story form the use of small tools in fire fighting and how training in the use of such tools saved a house and wood lot from destruction by fire.
*Rent from* DA film libraries. *Buy from* UWF.

**Open fractures** (*Motion picture*) U. S. Veterans Administration, 1959. Made by Churchill-Wexler Film Productions.
24 min., sd., color, 16 mm.
*Summary:* Discusses in detail various methods of reducing fractures and emphasizes the importance of preventing infection and additional damage to soft tissues during fracture management. The importance of restoring blood loss, alleviating pain, and treating for shock is demonstrated. The economic and emotional well-being of the patient is considered in relation to the severe medical problems posed by these fractures.
*Borrow from* VA. *Buy from* CW.

**Open wire transposition systems** (*Motion picture*) U. S. Dept. of the Army, 1955.
17 min., sd., b&w, 16 mm.
Order no. TF 11-1959.
*Summary:* Illustrates and explains the need for transpositions, how they improve communication, and the construction of various types of physical or single-point transpositions.
*Borrow from* Army. *Buy from* UWF.

**Operating a mobile well boring rig** (*Motion picture*) U. S. Public Health Service, 1953.
5 min., sd., color, 16 mm.
Order no. SPM 135.
*Summary:* Demonstrates how a 60-foot water well was bored in approximately two hours with a mobile well-boring rig.
*Borrow from* PHS. *Buy from* UWF.

**Operating room procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1953. Made by Polaris Pictures.
20 min., sd., color, 16 mm.
Order no. TF 1-4149.
*Summary:* Shows how to set up an operating room, open packs, and check for sterility, and clean an operating room; the importance of an accurate sponge count and of maintaining noncontamination in the surgical operating room; and the general layout of an operating suite.
*Borrow from* AF. *Buy from* UWF.

**Operation and maintenance of communications equipment in extreme cold** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. TF 11-1776.
*Summary:* Shows methods of winterizing various types of communications equipment; the effects of extreme cold on equipment; and measures to be used to prevent damage due to excessive cold.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Operation and maintenance of pipeline systems** (*Motion picture*) U. S. Dept. of the Army, 1954.
10 min., sd., b&w, 16 mm. (Military pipeline operations, no. 3)
Order no. TF 5-1864.
*Summary:* Shows the organization of a pipeline system into districts, control by service headquarters, duties of the chief dispatcher, and supply of fuel to the stations.
*Borrow from* Army.

**Operation Blue Jay** (*Motion picture*) U. S. Dept. of the Army, 1953.
28 min., sd., b&w, 16 mm.
Order no. MF 45-7947.
*Summary:* Records and describes Operation Blue Jay, the construction of a United States air base at Thule on the northwest coast of Greenland.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Operation Blue Jay
see also
Arctic rampart

**Operation CAMID VI** (*Motion picture*) U. S. Dept. of Defense, 1952.
8 min., sd., b&w, 16 mm.
On reel with The Navy and science.
Order no. AFSR 138.
*Summary:* Portrays the training of cadets and midshipmen, during the summer of 1951, in the techniques of amphibious operations.
*Borrow from* Army. *Cleared for tv.*

**Operation concrete** (*Motion picture*) U. S. Army Engineers, 195[illegible].
2[illegible] min., sd., color, 16 mm.
*Summary:* Shows concrete operations at Detroit Dam under construction on the North Santiam River near Detroit, Ore.
*Borrow from* Eng. *Cleared for tv.*

**Operation crossroads** (*Motion picture*) U. S. Dept. of the Navy, 1949.
27 min., sd., color, 16 mm.
Order no. MN 6817.
Revision, for television use, of 1946 film with same title, order no. MN 5345.
*Summary:* Documentary film record of the Able and Baker atomic bomb tests at Bikini.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Operation Deepfreeze I** (*Motion picture*) U. S. Dept. of the Navy, 1957.
23 min., sd., color, 16 mm.
Order no. MN 8500.
*Summary:* Report of the first phase of Operation Deepfreeze, explaining the Navy's contribution to U. S. participation in the International Geophysical Year and showing preparations, departure, voyage, and Antarctic operations.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Operation for varicocele** (*Motion picture*) U. S. Dept. of the Army, 1947.
11 min., sd., color, 16 mm.
Order no. PMF 5009.
*Summary:* Presents a case of a painful left varicocele involving an anterior group of veins. Demonstrates surgical treatment, similar in principle to ligation, of saphenous veins for varicosities of lower extremity. For medical personnel.
*Borrow from* Army.

**Operation Greenhouse** (*Motion picture*) U. S. Atomic Energy Commission, 1952. Made by U. S. Dept. of the Air Force.
25 min., sd., color, 16 mm.
*Summary:* Describes the scientific and technical operations of the Atomic Energy Commission and the Department of Defense during the nuclear weapons tests at Eniwetok in the spring of 1951. Depicts blast and thermal effects of the explosions on different types of structures.
*Borrow from* AEC. *Buy from* UWF. *Cleared for tv.*

**Operation Highjump** (*Motion picture*) U. S. Dept. of the Navy, 1950.
18 min., sd., b&w, 16 mm.
Order no. MN 9160.
Revised version (sound track only) of the 1947 U. S. Army film with the title Antarctic expedition.
*Summary:* Record of the 1946–47 expeditions to the Antarctic regions conducted under the leadership of Admiral Richard E. Byrd.
*Borrow from* Navy. *Cleared for tv.*

**Operation Hurricane** (*Motion picture*) U. S. Weather Bureau, 1955.
14 min., sd., b&w, 16 mm.
Abridged version, with new sound track, of the 1949 film with the title Hurricane circuit.
*Summary:* Shows how Weather Bureau warning centers reduce the hurricane menace along the Gulf and Atlantic coasts, the operation of the Bureau's warning service, precautions taken against damage, and rescue and relief measures. Through animation explains the nature of hurricanes.
*Borrow from* WB. *Buy from* UWF. *Cleared for tv.*

**Operation Inchon** (*Motion picture*) U. S. Dept. of the Army, 1952.
18 min., sd., b&w, 16 mm.
Order no. MF 11–7883.
*Summary:* A documentary film on the activities of the United Nations forces in Korea during August and September 1950.
*Borrow from* Army. *Cleared for tv.*

**Operation Ivy** (*Motion picture*) U. S. Dept. of the Air Force, 19[illegible]. Released for public use by U. S. Federal Civil Defense Administration.
28 min., sd., color, 16 mm.
*Summary:* A documentary record of a thermonuclear test at the Atomic Energy Commission's Pacific proving grounds in 1952. Includes introductory remarks by President Dwight D. Eisenhower and a closing statement by FCDA Administrator Val Peterson.
*Borrow from* AF, AEC, or OCDM. *Buy from* DA. *Cleared for tv.*

**Operation Noah** (*Motion picture*) U. S. Dept. of the Army, 1956.
29 min., sd., b&w, 16 mm.
Order no. MF 45–8615.
*Summary:* Describes the work of the U. S. armed services, particularly the Army Engineers, in the rehabilitation of the regions in Northeastern United States hit by flash floods in the summer of 1955. Shows channel clearance; clearing of bridge crossings; erection of Bailey bridges; restoration of water mains; providing of drinking water; handling of food contamination; cleaning of stores, houses, and streets; and road and building repair.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Operation of hypochlorinators** (*Filmstrip*) U. S. Public Health Service, 1957.
57 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. F 225.
*Summary:* Depicts, through the use of photographs and graphics, the correct installation and operation of hypochlorinators. Explains their uses, advantages, and principles of operation.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**Operation of industrial hygiene survey equipment: Relative humidity, temperature, and air pressure instruments** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
14 min., sd., b&w, 16 mm.
Order no. FTA 272b.
*Summary:* Instructs students in the methodology applicable to the operation of humidity, temperature, and air pressure instruments.
*Borrow from* AF.

**Operation of industrial hygiene survey equipment: The light meter** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
3 min., sd., b&w, 16 mm.
Order no. FTA 272e.
*Summary:* Instructs students in the methodology applicable to the operation of the light meter.
*Borrow from* AF.

**Operation of industrial hygiene survey equipment: The midget impinger dust sampler** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
11 min., sd., b&w, 16 mm.
Order no. FTA 272c.
*Summary:* Demonstrates the correct procedure for operating the midget impinger dust sampler.
*Borrow from* AF.

**Operation of industrial hygiene survey equipment: The sound analyzer** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
10 min., sd., b&w, 16 mm.
Order no. FTA 272g.
*Summary:* Acquaints students with the proper method of operating the sound analyzer.
*Borrow from* AF.

**Operation of industrial hygiene survey equipment: Toxic and combustible gas detectors** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. FTA 272a.
*Summary:* Demonstrates operation of the industrial hygiene equipment which is used in the detection of certain toxic and combustible gases.
*Borrow from* AF.

**Operation of jet aircraft engines** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm.
Order no. MN 5396-a.
*Summary:* Illustrates principles of jet propulsion by Newton's law of action and shows its application to jet engines; shows operating principles of the reciprocating engine to produce horsepower and thrust power; and demonstrates the application of jet propulsion in rockets and aircraft.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Operation of ocean station vessels during search and rescue** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
27 min., sd., color, 16 mm. (Search and rescue series)
Order no. MG 5379.
*Summary:* Explains the search and rescue (SAR) operations of the U. S. Coast Guard, and illustrates these operations through a story of the ditching at sea of a commercial plane and the rescuing of the survivors by a Coast Guard ocean station vessel.
*Buy from* UWF. *Cleared for tv.*

**Operation of the astro-compass** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
52 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1–421.
*Summary:* Describes how to use the astro-compass to find deviation correction and tells how to align the astro-compass standard.
*Borrow from* AF.

**Operation of truck terminals** (*Filmstrip*) U. S. Dept. of the Army, 1955.
40 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. SFS 55–11.
*Summary:* Discusses the operation of truck terminals; and shows how loaded trailers arrive from beach, port, and depot points, are unloaded, and dispatched with return loads.
*Borrow from* Army.

**Operation Portrex** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.
10 min., sd., b&w, 16 mm.
On reel with Army sports.
Order no. AFSR 120.
*Summary:* An exercise designed to test the possibility of recapturing the Caribbean Island of Vieques from an aggressor.
*Borrow from* Army. *Cleared for tv.*

**Operation Sandstone** (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by U. S. Dept. of the Air Force.
18 min., sd., color, 16 mm.
*Summary:* Describes the preparation for the test detonations of atomic bombs at Eniwetok in the spring of 1948, and pictures the three detonations.
*Borrow from* AEC. *Buy from* UWF. *Cleared for tv.*

**Operation thunderbolt** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. MF 45-1295.
*Summary:* Demonstrates how picked men were trained for a special type of unit to police the American occupation zone of Germany—the U. S. Constabulary Forces.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Operation vittles** (*Motion picture*) U. S. Dept. of the Air Force, 1948.
15 min., sd., b&w, 16 mm.
Order no. SFP 240.
*Summary:* A documentary film record of the operations of the U. S. Air Force in supplying blockaded Berlin by air. Explains how "operation vittles" was conducted, and shows the loading, flying, and delivery of supplies.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Operation zero-zero (Project narrow gauge)** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
19 min., sd., color, 16 mm.
Order no. FR 35.
*Summary:* Shows how extensive testing of an integrated visual approach and landing aids system (IVALA) can provide aviation with greater and safer aircraft landing capability.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Operations in sea ice: Convoy operations in sea ice** (*Motion picture*) U. S. Dept. of the Navy, 1954.
23 min., sd., b&w, 16 mm.
Order no. MN 7419-c.
*Summary:* Explains how to conduct Navy convoy operations in the Arctic; shows how the convoy is organized and the use of caution in directing convoy movement; and points out good ice seamanship.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Operations in sea ice: Identification of sea ice** (*Motion picture*) U. S. Dept. of the Navy, 1953.
13 min., sd., color, 16 mm.
Order no. MN 7419-b.
*Summary:* Presents standard methods and terminology used in describing and classifying Arctic sea ice. Various types of ice are pictured and described by tracing the life cycle of sea ice and showing the formation of icebergs.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

Operations on a broaching machine series
see Machine shop work series. Operations on a broaching machine

Operations on a single face surfacer series
see Precision wood machining series. Operations on a single face surfacer

Operations on the band saw series
see Precision wood machining series. Operations on the band saw

Operations on the center-type grinder series
see Machine shop work series. Operations on the center-type grinder

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see Machine shop work series. Operations on the centerless grinding machine

Operations on the cutter grinder series
see Machine shop work series. Operations on the cutter grinder

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see Machine shop work series. Operations on the planer

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see Precision wood machining series. Operations on the sander

Operations on the shaper series
see Machine shop work series. Operations on the shaper

Operations on the spindle shaper series
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see Precision wood machining series. Operations on the variety saw

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see Machine shop work series. Operations on the vertical boring mill

Operations on the vertical milling machine series
see Machine shop work series. Operations on the vertical milling machine

Operations on the wood lathe series
see Precision wood machining series. Operations on the wood lathe

**Operative cholangiography** (*Motion picture*) U. S. Veterans Administration, 1955.
17 min., sd., color, 16 mm.
*Summary:* Explains that operative cholangiography is a diagnostic method for use during biliary surgery which provides a means for detecting overlooked common duct stones and liver radical calculi beyond the reach of instruments, helps differentiate pancreatitis from carcinoma of the head of the pancreas, and can demonstrate spasm of the sphincter of Oddi as well as subsequent fibrosis on the biliary tract. Demonstrates each step of the complete operative cholangiography technique.
*Borrow from* VA.

Operative dentistry series
see
Amalgam restoration
Cavity preparation
Matrix

Operative management of war injuries in the field series
see
Bullet wound of left leg and foot: Proper initial debridement; primary delayed closure, 4th day
Extensive wound of right buttock: Delayed closure on 4th day
Land mine injury to both legs: Bilateral amputation simultaneously with two teams
Missile wound of abdomen: Exploratory laparotomy repair of liver perforation
Missile wound of buttock with perforation of rectum: Exploratory laparotomy; simple loop colostomy
Missile wound of head: Debridement, closure, and result 5 weeks later
Missile wound of head, debridement and closure
Missile wound of head, jaw, chest: Control of hemorrhage and care of airway
Missile wound of medial aspect of thigh with loss of large segment of femoral artery: Repair with homologous artery graft
Missile wound of right posterior calf with severe damage to popliteal artery: Repair with homologous artery graft
Missile wound of the abdomen: Exploratory laparotomy, resection of intestine, end to end anastomosis
Missile wound of thigh with compound fracture of femur
Multiple wounds of left leg with amputation: Primary debridement of knee wound; delayed closure 5th day
Wound of left hand, debridement and closure

**The operator and his job** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
12 min., sd., b&w, 16 mm. (Automotive series. Bus operation, no. 1)
Order no. OE 491.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Illustrates three responsibilities of the bus operator: safety and comfort of his passengers, maintenance of schedules, and a courteous attitude toward passengers.
*Buy from* UWF.

**The operator and his job** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
31 fr., b&w, 35 mm. (Automotive series. Bus operation, no. 1)
Order no. OE 491-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The operator and his passengers** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
18 min., sd., b&w, 16 mm. (Automotive series. Bus operation, no. 2)
Order no. OE 492.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Importance of good customer relations and ways of handling problems such as expired transfers, people who miss their stops, and getting passengers to move to the rear of a bus.
*Buy from* UWF.

**The operator and his passengers** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
43 fr., b&w, 35 mm. (Automotive series. Bus operation, no. 2)
Order no. OE 492-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The operator and safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
19 min., sd., b&w, 16 mm. (Automotive series. Bus operation, no. 3)
Order no. OE 493.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Importance of safety in bus operation; how to operate safely in passing cars, at intersections, at bus stop zones, and under special weather conditions.
*Buy from* UWF.

**The operator and safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
71 fr., b&w, 35 mm. (Automotive series. Bus operation, no. 3)
Order no. OE 493-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Operator's adjustments, D-7 tractor, series
see
Adjusting the Le Tourneau power control unit
Fan belt and water pump
Flywheel clutch and starting engine clutch
Steering, clutch, and brake
Tracks

**Opportunity** (*Motion picture*) U. S. Dept. of the Army, 1958.
7 min., sd., b&w, 16 mm.
Order no. TF 16-2517.
*Summary:* Dramatized story illustrating the concept of opportunity. Made for use by Army chaplains.
*Borrow from* Army.

Optical craftsmanship series
see
Beveling, grooving, and rounding
Introduction to optics
[Optical] inspection methods, part 1
[Optical] inspection methods, part 2
[Optical] production methods

Optical craftsmanship series. Flat surfaces
see
Fine grinding and polishing
Rough grinding
Rough grinding with a vertical surface grinder

Optical craftsmanship series. Spherical surfaces
see
Centering, edge grinding, and beveling
Fine grinding
Pitch buttoning and blocking
Polishing
Rough grinding
Rough grinding by pin-bar
Rough grinding with a curvature generator

**[Optical] inspection methods, part 1** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.
28 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-m.
*Summary:* Explains visual methods of inspection, the use of gages, the necessity for checking the gages, and the theory and use of Newton's rings as an inspection method.
*Borrow from* Navy. *Buy from* UWF.

**[Optical] inspection methods, part 2** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.
19 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-n.
*Summary:* Explains methods of inspection of prisms and spherical lenses, and illustrates the use of the spectrometer.
*Borrow from* Navy. *Buy from* UWF.

**[Optical] production methods** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.
31 min., sd., b&w, 16 mm. (Optical craftsmanship series)
Order no. MN 2449-o.
*Summary:* Describes organization and administration of an optical production shop on a mass production scale, including plant layout, training of personnel, need for inspection, classification of rejects, etc.
*Borrow from* Navy. *Buy from* UWF.

**Oral administration of medications** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.
13 min., sd., b&w, 16 mm. (Basic nursing care series)
Order no. MN 8570-j.
*Summary:* Presents the duties of hospital corpsmen in administering medications by mouth to patients in wards of naval hospitals. Demonstrates in detail the preparation of medication and treatment cards in accordance with the orders of medical officers; the use of medication and treatment board as a convenient method for reminding personnel to administer medications at correct times; the preparation of specific doses of various types of oral medications; and the procedure to be followed when administering the medications to patients.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Oral cancer: The problem of early diagnosis** (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1953. Made by Audio Productions.
25 min., sd., color, 16 mm.
With booklet.
*Summary:* Emphasizes techniques of biopsy in the diagnosis of cancer of the oral cavity; shows mouth examination performed by dentists and physicians; and describes a series of case histories. For professional audiences.
*Borrow from* ACS or NCI. *Buy from* ACS.

**Oral hygiene for hospitalized patients** (*Motion picture*) U. S. Veterans Administration, 1957.
15 min., sd., color, 16 mm.
*Summary:* A dental hygienist gives four demonstrations on how to clean teeth: on a model, on herself, on a sitting patient, and on a bed patient.
*Borrow from* VA.

**Oral hygiene: Toothbrush technique** (*Filmstrip*) U. S. Public Health Service, 1949.
30 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 5 min.
Order no. 5-135.
*Summary:* Discusses the importance of oral hygiene and of oral prophylaxis by a dentist or dental hygienist every six month, and demonstrates methods of home care of the teeth.
*Borrow from* PHS. *Buy from* UWF.

**Oral medications** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1944.
8 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. MN 1511-j.
*Summary:* Demonstrates the importance and procedure of giving the right amount of the right medicine at the right time to the right man.
*Borrow from* Navy. *Buy from* UWF.

**Oral prophylactic techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
25 min., sd., b&w, 16 mm.
Order no. TF 1-8171.
*Summary:* Presents step-by-step procedures for performing oral prophylaxis treatment of patients. Emphasizes the importance of oral hygiene and the use of extreme care and dental skill when treating a patient.
*Borrow from* AF. *Buy from* UWF.

**Oral rehabilitation** (*Motion picture*) U. S. Veterans Administration, 1954.
29 min., sd., color, 16 mm.
*Summary:* Deals with the surgical treatment of gingival hyperplasia in a patient in whom the condition has developed as a result of the administration of diphenylhydantoin sodium for the control of epilepsy. Gives a detailed medical and dental diagnosis and the plan of treatment consisting of a lower anterior gingivoplasty and the construction of a temporary acrylic splint. Supplements intraoral photographs, which show the region to be incised, by demonstrations on plaster models and roentgenograms. Shows a histological study of the tissue and demonstrates curettage, post-operative treatment, insertion of the acrylic splint, and the instruction of the patient in oral hygiene. Postoperative intraoral photographs show complete healing.
*Borrow from* VA.

**Orchids** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm.
*Summary:* Shows the many varieties of orchids and other flowers of Latin America photographed in their natural color and setting.
*Buy from* UWF.

**Ordnance service in an overseas theater** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.
37 min., sd., b&w, 16 mm.
Order no. MF 9-1255.
*Summary:* Shows ordnance supply, service, maintenance, repairs, salvage, reclamation activities, utilization of personnel, and communications zone operations in the China-Burma-India theater of operations during World War II.
*Borrow from* Army. *Buy from* UWF.

**Oregon and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1951.
30 min., sd., color, 16 mm.
Order no. 242.
*Summary:* Portrays the mineral resources, mining operations, forests, agriculture, fisheries, recreation areas, and scenic views of Oregon.
*Borrow from* BM. *Cleared for tv.*

**Organization and mechanics of writing** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
25 min., sd., b&w, 16 mm.
Order no. TF 1-5225.
*Summary:* Explains the techniques used to develop good paragraphs and ideas; shows how to arrange words in proper order, how to punctuate, and how to organize a paper.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Organization: Key to air power** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
17 min., sd., color, 16 mm.
Order no. SFP 607.
*Summary:* Explains the basic principles of organization through application to various types of Air Force installations and activities, and discusses organizational principles as they concern ARDC research centers and global-wide detachments of communications, weather, security, and Air Rescue Service units.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Organized mosquito control** (*Motion picture*) U. S. Public Health Service, 1955.
16 min., sd., color, 16 mm.
Order no. M 191.
*Summary:* Shows a sampling to determine the species of mosquitoes present, their relative abundance, and types of breeding places; dipping for larvae to determine major problem areas; breeding sites as determinants of flight ranges; three common methods of mosquito abatement—permanent control through water management, larviciding, and killing adults on the wing or in resting places; and five major problem areas—fresh water swamps and depressions, salt marshes, lakes and farm ponds, irrigated fields and pastures, and urban areas. Emphasizes the importance of an organized mosquito control program.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

The organs in health and disease series
see
The liver. Part 1: Normal histology of the human liver
The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages
The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver
The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts
The lung. Part 1: Comparative anatomy and normal histology

**Orientation: The 90 degree method** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
10 min., sd., b&w, 16 mm. (Instrument flight control series)
Order no. MN 1059-z.
*Summary:* Shows when to use 90 degree method of radio range orientation; explains the effect of wind, and demonstrates the use of this method in a square sector, an open sector, and a closed sector.
*Borrow from* Navy. *Buy from* UWF.

**Origin and synthesis of plastics materials** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Plastics series, no. 1)
Order no. OE 466.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* Organic origin of plastics and the resemblance of synthetic compounds to natural substances; synthesis of plastics from natural substances; forms in which plastics are produced; and typical plastics products.
*Buy from* UWF.

**Origin and synthesis of plastics materials** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
40 fr., b&w, 35 mm. (Plastics series, no. 1)
Order no. OE 466-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Origins of the motion picture** (*Motion picture*) U. S. Dept. of the Navy, 1955.
21 min., sd., b&w, 16 mm.
Order no. MN 8103.
*Summary:* An historical record of the development of the machinery and arts of the motion picture, from the earliest suggestions of Leonardo da Vinci to the perfected sound motion picture of Edison. Highlighted are the thaumatrope, zoetrope, phenakistoscope, praxinoscope, and the work of Plateau, Daguerre, Muybridge, Marey, Edison, Armat, Dickson, and others. Includes scenes made as early as 1880 and some early naval historical pictures of the Great White Fleet, the submarine "Holland," and 19th century marines.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Oscillators** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.
13 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-i.
*Summary:* Explains the basic principles of electronic oscillation.
*Borrow from* Navy. *Buy from* UWF.

**Our American heritage** (*Motion picture*) U. S. Dept. of Defense, 1949.
10 min., sd., b&w, 16 mm.
Order no. AFSR 107.
*Summary:* A brief review of the U. S. Constitution and particularly the Bill of rights.
*Borrow from* Army. *Buy from* UWF.

**Our food and our health** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
15 min., sd., color, 16 mm.
Order no. TF 8-1478.
*Summary:* Shows that proper eating habits are a factor in maintaining the individual soldier's health and well being.
*Borrow from* Army. *Buy from* UWF.

**Our magic land** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the U. S. Dept. of the Interior and the Boy Scouts of America, 1957.
16 min., sd., color, 16 mm.
*Summary:* Explains how man and nature work together in helping to maintain a cover of plants and trees on the land, keep rivers and streams clean and clear, and protect the wildlife of the forest.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Our sons** (*Motion picture*) U. S. Dept. of the Army, 1958.
36 min., sd., color, 16 mm.
Order no. MF 45-8798.
*Summary:* Explains the new Reserve Forces act for men 17 to 18½ and 18 to 26 years of age. Describes the 6-months active duty program, including induction and processing; pre-basic orientation; basic training; advanced individual training; and tactical maneuvers in the field. Emphasizes the personal opportunities and career development afforded by the Army Reserve enlistment programs.
*Borrow from* Army. *Cleared for tv.*

**Our stand in Korea** (*Motion picture*) U. S. Dept. of Defense, 1950.
22 min., sd., b&w, 16 mm.
Order no. AFSR 121.
*Summary:* Chronological report of the Korean crisis from the assault on the Republic of Korea by North Korean forces, June 24, 1950, to July 8, 1950. President Truman's statement of American determination to preserve the freedom of South Korea.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Our times series
see
Revolt of a generation

**Our town is our classroom** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm.
*Summary:* Shows pupils learning about the government of their town by sitting in on the town's council meetings, listening to court sessions, and attending meetings of citizens and public officials. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Out of Hungary to freedom** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.
19 min., sd., b&w, 16 mm.
*Summary:* Reviews the exodus of the Hungarian refugees during the winter of 1956-57, including their temporary stay in Austria, departure for their new homes, and welcoming ceremonies in many different countries. Includes scenes of the visit of Vice-President Nixon to refugee camps in Austria. Depicts Hungarians in the U. S. adjusting to their new lives. Prepared for overseas use.
*Buy from* UWF.

**Out of the darkness** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.
20 min., sd., b&w, 16 mm.
*Summary:* Focuses upon adult education in India, emphasizes the effects of illiteracy, and shows instances of increased interest in education through exhibits and the opening of night classes. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Out of the woods** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
15 min., sd., color, 16 mm.
*Summary:* Describes typical farm forestry problems and portrays how one hard-pressed farmer solves his problems with the aid of the local forester. Also discusses the improvement of a small sawmill for greater economy and efficiency.
*Rent from* DA film libraries. *Cleared for tv.*

**Outboard fisherman, USA** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the Outboard Marine and Manufacturing Co., 1956.
27 min., sd., color, 16 mm.
*Summary:* Shows the various uses of outboard motor boats by fishermen along the east and west coasts of the United States and in the Gulf of Mexico.
*Borrow from* FWS. *Cleared for tv. Prior authorization required.*

**Outbreak** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
30 min., sd., color, 16 mm.
*Summary:* Traces the history of foot-and-mouth disease; explains what happened in the 1929 outbreak in California; and shows the cooperative measures used by the Mexican and United States Governments in combatting the outbreak of 1949.
*Rent from* DA film libraries. *Buy from* UWF.

**An outbreak of Salmonella infection** (*Motion picture*) U. S. Public Health Service, 1954.
14 min., sd., color, 16 mm. (Food handling series)
Order no. M 148-a.
*Summary:* Presents a study case of a simulated typical outbreak of food-borne illness caused by organisms of the *Salmonella* group. Discusses source and means of contamination, factors contributing to the survival and transfer of the organism, important conditions of environment and general food handling practices, and effects of the outbreak.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**An outbreak of Staphylococcus intoxication** (*Motion picture*) U. S. Public Health Service, 1954.
12 min., sd., color, 16 mm.
Order no. M 148-b.
*Summary:* Presents a case study of a typical outbreak of food-borne illness cause by *Staphylococcus* organisms, including symptoms of the victims, tracing the source of the organisms as *Staphylococcus aureus* in pastry filling, and the reasons for the incidence of the organisms in the food.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Outloading of Diesel locomotives** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
13 min., sd., b&w, 16 mm.
Order no. FB 55-248.
*Summary:* Presents the problems and proper techniques for loading Diesel locomotives aboard a cargo ship. Emphasizes the importance of teamwork and of stevedoring "know-how."
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Outlook charts, 1959** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
176 double fr., b&w, 35 mm.
Order no. 719.
*Summary:* The annual October chart of statistics relative to agriculture in the United States.
*Buy from* PhotoLab.

Outside machinists series
see Shipbuilding skills series. Outside machinist

**Overhauling camshaft assembly and crankcase section** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

19 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 270.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to inspect the camshaft and gear case cover assembly parts; inspect and recondition the crankcase section; measure crankcase bearings; and inspect and recondition the remaining parts.

*Buy from* UWF.

**Overhauling camshaft assembly and crankcase section** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

42 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 270-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Overhauling crankshaft assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

19 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 269.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to clean the parts of a disassembled engine; inspect and recondition crankshaft assembly parts; determine clearances and check for out-of-round; and check the clearances against specifications.

*Buy from* UWF.

**Overhauling crankshaft assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

41 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 269-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Overhauling the carburetor** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

23 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 267.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to remove the carburetor assembly from the engine; disassemble, clean, inspect, and reassemble the carburetor; check the fuel level; and reinstall the carburetor assembly.

*Buy from* UWF.

**Overhauling the carburetor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

48 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 267-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Overseas duty** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

20 min., sd., b&w, 16 mm.

Order no. AFIF 2.

*Summary:* Points out to military personnel the importance of an overseas assignment, problems that may be encountered in the various overseas commands and occupied countries, and the proper conduct to be observed by individual soldiers. Prepared for use by U. S. Armed Forces personnel.

*Borrow from* Army.

**Overtaking at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., color, 16 mm. (Rules of the nautical road series)

Order no. MN 202-q.

*Summary:* Illustrates the correct use of whistle signals in overtaking situations on the ocean and in inland waters.

*Borrow from* Navy. *Buy from* UWF.

**Overtaking situation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

15 min., sd., b&w, 16 mm. (Rules of the nautical road series)

Order no. MN 202-n.

*Summary:* Gives whistle signals to be used when overtaking on the ocean, in inland waters, and in narrow channels; and demonstrates examples of their use.

*Borrow from* Navy. *Buy from* UWF.

Ovulation, fertilization, and early development of the mammalian egg
see
How animal life begins
In the beginning

**The oxy-acetylene flame, master of metals** (*Motion picture*) U. S. Bureau of Mines in cooperation with International Acetylene Association, 1950.

19 min., sd., color, 16 mm.

Order no. 238.

*Summary:* Shows how oxygen and acetylene are blended to form a flame to cut, weld, solder, braze, and harden metal. Demonstrates the forming of teeth on tractor gears, welding gray cast iron, hardening the working edge of plows, and joining metals by fusing melted bronze.

*Borrow from* BM. *Cleared for tv.*

**Oxy-acetylene welding: Light metal** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

21 min., sd., b&w, 16 mm. (Welding procedures series. Oxyacetylene welding, no. 1)

Order no. OE 190.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to assemble a gas welding outfit; adjust gas pressures; adjust the flame; and make a butt weld and a T weld in light tubing.

*Buy from* UWF.

**Oxy-acetylene welding: Light metal** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

41 fr., b&w, 35 mm. (Welding procedures series. Oxyacetylene welding, no. 1)

Order no. OE 190-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Oxyacetylene welding series
see Welding procedures series. Oxyacetylene welding

Oxygen cutting series
see Welding procedures series. Oxygen cutting

**Oxygen equipment** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

80 fr., b&w, 35 mm.

Order no. FS 1-[illegible].

*Summary:* Explains the operation, inspection, and maintenance of oxygen equipment such as cylinders, valves and tubing, regulators, indicators, masks and mouthpieces, and auxiliary equipment.

*Borrow from* AF.

# P

**PVA-fixative technique in the diagnosis of amebiasis** (*Filmstrip*) U. S. Public Health Service, 1950.
72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. 5-153.
*Summary:* Demonstrates a method of preserving fecal specimens in PVA fixative, examination of specimens, and shipment of specimens.
*Borrow from* PHS. *Buy from* UWF.

**Pacific area; Netherlands East Indies**
see Theatres of war series. Pacific area; Netherlands East Indies

**Pacific area series**
see Theatres of war series. Pacific area

**Pacific enemy, malaria** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., color, 16 mm. (Medicine in action series, no. 1)
Order no. MN 3720-a.
*Summary:* Covers suppressive theory such as malaria discipline and value of atabrine, and control measures such as elimination of pools of water, spraying of water, cutting of underbrush, and treatment of natives.
*Borrow from* Navy. *Buy from* UWF.

**Pacific halibut fishing** (*Motion picture*) U. S. Fish and Wildlife Service, 1949.
16 min., sd., color, 16 mm.
*Summary:* Explains and portarys the methods used in a North Pacific halibut fishery, and the work on a fishing vessel in fishing grounds off Alaska.
*Borrow from* FWS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Pacific milk run** (*Motion picture*) U. S. Marine Corps, 1945. Made by U. S. Dept. of the Navy.
17 min., sd., b&w, 16 mm.
Order no. MH 5574.
*Summary:* Story of Marine Corps air patrols in the Pacific, including a routine day on a "milk run" bombing by-passed Japanese-held islands.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Pacific pathways** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.
20 min., sd., b&w, 16 mm.
Order no. AFSR 93.
*Summary:* A pictorial review of the Pacific campaign under General MacArthur, from Australia to Japan in World War II.
*Borrow from* Army. *Buy from* UWF.

**Packaging and packing: CONEX containers** (*Filmstrip*) U. S. Dept. of the Army, 1959.
34 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-55.
*Summary:* Describes the features and use of CONEX containers employed by the Armed Forces to ship military supplies.
*Borrow from* Army.

**Packaging and packing: Determination of methods of preservation** (*Filmstrip*) U. S. Dept. of the Arm[illegible], 1959.
36 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm[illegible] min.
Order no. SFS 38-36.
*Summary:* Discusses the factors considered in the preservation of military items prepared for shipment or storage, and explains the six methods of preservation employed.
*Borrow from* Army.

**Packaging and packing: Fabrication of corrugated fiberboard cells and pads** (*Filmstrip*) U. S. Dept. of the Army, 1959.
38 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-32.
*Summary:* Describes the construction and use of corrugated fiberboard cells and pads and shows how the correct use of cells and pads serves to block, brace, and cushion an item within a container.
*Borrow from* Army.

**Packaging and packing: Fully sheathed crates** (*Filmstrip*) U. S. Dept. of the Army, 1958.
58 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-40.
*Summary:* Discusses the use and basic construction requirements of fully sheathed crates as specified in MIL-C-104.
*Borrow from* Army.

**Packaging and packing: Marking** (*Filmstrip*) U. S. Dept. of the Army, 1959.
50 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-41.
*Summary:* Describes the methods used to mark military shipping containers, the various markings required, and the proper location of markings on the different types of packaging.
*Borrow from* Army.

**Packaging and packing: Method IB** (*Filmstrip*) U. S. Dept. of the Army, 1959.
48 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 38-48.
*Summary:* Describes the use and application of method IB for waterproof and vaporproof protection of articles through strippable compound coating and hot dip.
*Borrow from* Army.

**Packaging and packing: Methods of preservation** (*Filmstrip*) U. S. Dept. of the Army, 1959.
59 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 38-54.
*Summary:* Describes the fundamentals and application of the six basic methods of preservation for the protection of military supplies during handling, shipment, and storage.
*Borrow from* Army.

**Packaging and packing: Methods of preservation (includes IA methods)** (*Filmstrip*) U. S. Dept. of the Army, 1958.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 38-33.
*Summary:* Describes method IA and sub-methods for packaging matériel and explains how the method affords water-vaporproof protection to items, and how it can be accomplished.
*Borrow from* Army.

**Packaging and packing: Methods of preservation, method I, preservative coating (with greaseproof wrap as required)** (*Filmstrip*) U. S. Dept. of the Army, 1959.
40 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-50.
*Summary:* Describes the use, requirements and application of preservation designed to provide corrosion protection to simple type, low cost metal items of a noncritical nature.
*Borrow from* Army.

**Packaging and packing: Methods of preservation, method IC, waterproof barrier (with preservative as required)** (*Filmstrip*) U. S. Dept. of the Army, 1958.
45 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min.
Order no. SFS 38-38.
*Summary:* Describes the basic concept of method IC for packaging supplies as outlined in MIL-P-116.
*Borrow from* Army.

**Packaging and p[illegible]: Methods of preservation, method II** (*Filmstrip*) U. [illegible] Dept. of the Army, 1958.
45 fr., b&w, 35 m[illegible] and disc: 1 s., 16 in., 33⅓ rpm, 9 min.
Order no. SFS 38-56.
*Summary:* Explains and illustrates the method II packaging concept as outlined in Military specification MIL-P-116.
*Borrow from* Army.

**Packaging and packing: Methods of preservation, sub-method 1a–1, conforming wrap, dipcoat sealed** (*Filmstrip*) U. S. Dept. of the Army, 1959.
55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 38-34.
*Summary:* Describes the degree of protection afforded when packaging supplies by sub-method 1a–1, and demonstrates step-by-step how this method is accomplished.
*Borrow from Army.*

**Packaging and packing: Methods of preservation, sub-method 1a–2, container, overwrap, dipcoat sealed** (*Filmstrip*) U. S. Dept. of the Army, 1959.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 38-35.
*Summary:* Describes the level of protection afforded by sub-method 1a–2, the types of items for which it may be used, and how it can be accomplished.
*Borrow from Army.*

**Packaging and packing: Methods of preservation, sub-method IIb, container, barrier, container** (*Filmstrip*) U. S. Dept. of the Army, 1959.
58 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. SFS 38-31.
*Summary:* Describes the use, requirements, and application of a method designed to provide water-vaporproof protection to high-cost, critical items.
*Borrow from Army.*

**Packaging and packing: Methods of preservation, sub-method IIc, cushioned item, bag** (*Filmstrip*) U. S. Dept. of the Army, 1959.
43 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. SFS 38-40.
*Summary:* Describes the use, requirements, and application of a method designed to give water-vaporproof protection to small, lightweight, critical items.
*Borrow from Army.*

**Packaging and packing: Methods of preservation, sub-methods IId, rigid metal container, sealed** (*Filmstrip*) U. S. Dept. of the Army, 1958.
34 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. SFS 38-37.
*Summary:* Explains the level of protection afforded by sub-method IId and demonstrates the step-by-step procedure involved.
*Borrow from Army.*

**Packaging and packing: Methods of preservation, sub-method IIe, container barrier** (*Filmstrip*) U. S. Dept. of the Army, 1958.
47 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 38-47.
*Summary:* Describes the sub-method IIe concept of packaging as specified in MIL–P–116.
*Borrow from Army.*

**Packaging and packing: Nailed wood boxes** (*Filmstrip*) U. S. Dept. of the Army, 1959.
54 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-39.
*Summary:* Describes the characteristics, use, construction, and versatility of nailed wood boxes for packaging supplies.
*Borrow from Army.*

**Packaging and packing: Strapping of military shipments** (*Filmstrip*) U. S. Dept. of the Army, 1958.
64 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 13 min.
Order no. SFS 38-42.
*Summary:* Describes the basic requirements for strapping exterior shipping containers.
*Borrow from Army.*

**Packaging and packing: Sub-method IIa, floating bag** (*Filmstrip*) U. S. Dept. of the Army, 1959.
51 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. SFS 38-46.
*Summary:* Explains the sub-method IIa floating-bag technique for protecting complex items against corrosion and damage.
*Borrow from Army.*

**Packaging and packing: Use of salvaged packaging materials** (*Filmstrip*) U. S. Dept. of the Army, 1955.
78 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 29 min.
Order no. SFS 38-27.
*Summary:* Illustrates the use of salvaged packaging materials, including wire-bound wood boxes, inner envelopes and wrappings, crates, and other types of containers.
*Borrow from Army. Buy from UWF.*

**Packaging of evidence for transmittal to the Military Police Criminal Investigation Laboratories** (*Filmstrip*) U. S. Dept. of the Army, 1956.
56 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. SFS 19-14.
*Summary:* Explains the basic techniques of packaging evidence for transmittal to the Military Police Criminal Investigation Laboratory in order to insure that the evidence arrives in its original state free of contamination. Describes packing materials and procedures, marking items and referencing to letter of transmittal, and wrapping, sealing, and marking shipping containers.
*Borrow from Army.*

**Painting series**
**see Farm work series. Painting**

**Painting ships bottoms: Hot and cold plastic anti-fouling paint** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm.
Order no. MN 2528-b.
*Summary:* Explains favorable conditions for painting, how to prepare paint, safety measures, and advantages of plastic paints.
*Borrow from Navy. Buy from UWF.*

**Painting ships bottoms: Sandblasting** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., color, 16 mm.
Order no. MN 2528–a.
*Summary:* Shows how to set up and use continuous and intermittent sandblast equipment, and how operator is clothed.
*Borrow from Navy. Buy from UWF.*

**Pan American Air Force school** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
7 min., sd., b&w, 16 mm.
Order no. SEP 374.
*Summary:* Describes the U. S. Air Force school for Latin America at Albrook Air Force Base, Panama Canal Zone.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Panama** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
19 min., sd., b&w, 16 mm.
Order no. AFIF 60.
*Summary:* Explains the historical background and current social, economic, and military status of Panama. Illustrates Panama's significance to the United States and the function and welfare of the United States Armed Forces stationed in the Canal Zone.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Paraguay** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
*Summary:* Shows Paraguay and its people, the Indian culture of the country, and the quebracho and mate industries.
*Buy from UWF.*

**Parasitology series**
**see**
**Infective larvae of Wuchereria bancrofti**
**Microfilariae of Wuchereria bancrofti**
**Miracidia of Schistosoma japonicum**
**Movements of Endamoeba histolytica**

**Paratroops** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* Shows the training given paratroops in how to jump, fall, guide a 'chute, land, and recover ready for action.
*Buy from* UWF.

**Paricutin** (*Motion picture*) U. S. Dept. of the Air Force, 1949.
23 min., sd., b&w, 16 mm.
Order no. SFP 232.
*Summary:* Documentary film record of the 1946 research expedition to the volcano, Paricutin, in Mexico. Includes scenes of the volcano and the lava flow as well as scenes of the crater and the erupting volcano taken from a helicopter.
*Borrow from* AF. *Buy from* UWF.

**Parking of aircraft** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
54 fr., b&w, 35 mm.
Order no. FS 1-872.
*Summary:* Describes the hand signals and procedures for taxiing, parking, and dispatching aircraft.
*Borrow from* AF.

**Parotid gland and facial nerve** (*Motion picture*) U. S. Veterans Administration, 1957.
24 min., sd., color, 16 mm. (Head and neck anatomy series, no. 4)
*Summary:* Demonstrates, on a cadaver, a systematic dissection layer by layer, showing the parotid gland in its relationship to other structures, facial nerve, and its branches.
*Borrow from* VA. *Buy from* UWF.

**Partial dentures: Biomechanics** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.
15 min., sd., color, 16 mm.
Order no. MN 6721.
*Summary:* Demonstrates the influence of forces of mastication on the design of partial dentures by dividing parts of partial dentures into bracing, supporting, and retaining elements. Emphasizes important construction details.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Partial neurorrhaphy of the sciatic nerve in the buttock** (*Motion picture*) U. S. War Dept., 1946.
12 min., sd., color, 16 mm.
Order no. PMF 5104.
*Summary:* Points out precautions essential to proper surgical management in the case of an injury to the peroneal component of the sciatic nerve resulting from a bullet wound. For medical personnel.
*Borrow from* Army.

**Pass in review** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm.
Order no. MF 45-7732.
*Summary:* Shows how the U. S. Army works for national security, covering recent events in airborne, amphibious, and cold weather training, as well as the Army's role in European and Pacific occupation.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Passengers, driving hazards, safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.
14 min., sd., b&w, 16 mm. (Automotive series. School bus operation, no. 2)
Order no. OE 495.
With instructor's manual. Supplementary filmstrip of same title also issued.
*Summary:* Points out the driver's responsibility for the safety of child passengers; safe driving habits and safety in handling children getting on and off the bus.
*Buy from* UWF.

**Passengers, driving hazards, safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.
41 fr., b&w, 35 mm. (Automotive series. School bus operation, no. 2)
Order no. OE 495-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Passport issued** (*Motion picture*) U. S. Information Agency, 1957. Made by Tangent Films. Released for public educational use in the United States through U. S. Office of Education.
21 min., sd., b&w, 16 mm.
*Summary:* Explains the origin and traces the development of the modern passport, and how the Passport Office of the Department of State operates to issue over half a million passports a year to American citizens. Follows the procedure from original application through issuance of the passport. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Patagonian playground** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., color, 16 mm.
*Summary:* Shows the national park of Nahuel Huapi on the eastern slope of the Andes in Argentina, and the recreational activities in the park.
*Buy from* UWF.

**Patching fabric** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
22 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 230.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to cut out and prepare the damaged area; prepare, dope, rib-stitch, and finish a patch.
*Buy from* UWF.

**Patching fabric** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
46 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 230-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Patching plywood** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
26 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 249.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to splay the edge of a hole; prepare and apply a splayed patch; make a flush or plug-type patch; make a frame or doubler; and apply a flush patch.
*Buy from* UWF.

**Patching plywood** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
48 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 249-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Patching small holes in fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
24 fr., b&w, 35 mm. (Fabric repairs series)
Order no. SN 1894-a.
*Summary:* Shows how small holes in airplane fabric are repaired; how the fabric should be prepared and a patch cut and applied to the fabric.
*Borrow from* Navy. *Buy from* UWF.

**Patching the L, T, and X type tears in fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
15 fr., b&w, 35 mm. (Fabric repairs series)
Order no. SN 1096-b.
*Summary:* Shows how L, T, and X type tears in airplane fabric are repaired; how the fabric should be prepared and a patch cut and applied to the fabric.
*Borrow from* Navy. *Buy from* UWF.

**Patents and Air Force research and development** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
32 min., sd., b&w, 16 mm.
Order no. TF 1-5634.
*Summary:* Discusses the patent possibilities in ideas and devices developed by Air Force research and development employees. Explains how patentability of an idea is determined; how U. S. Patent Office search is made; the documents involved in applying for a patent; Government rights; sole rights; joint inventions; value of a project record book as documentary evidence; supervision of inventions in contract work; and promotions and awards as a result of inventions.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The pathology of schistosomiasis** (*Motion picture*) U. S. Public Health Service, 1948.
2 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-088.
*Summary:* Views of pathological specimen material from chronic schistosomiasis.
*Borrow from* PHS.

**Patience** (*Motion picture*) U. S. Dept. of the Army, 1959.
6 min., sd., b&w, 16 mm.
Order no. TF 16-2744.
*Summary:* Dramatized story illustrating the concept of patience. Made for use by Army chaplains.
*Borrow from* Army.

**Patriotism** (*Motion picture*) U. S. Dept. of the Army, 1959.
8 min., sd., b&w, 16 mm.
Order no. TF 16-2750.
*Summary:* Dramatized story illustrating the concept of patriotism. Made for use by Army chaplains.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Pátzcuaro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.
11 min., sd., color, 16 mm.
*Summary:* Pictures a day in the life of the Tarascan Indians on the shore of Lake Pátzcuaro west of Mexico City.
*Buy from* UWF.

**Peace and friendship in freedom: President Eisenhower's 11-nation tour** (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.
29 min., sd., color, 16 mm.
*Summary:* Reports the December 1959 visit of President Eisenhower to eleven countries in the Middle East, South Asia, Africa, and Europe. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Peace through strength** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
14 min., sd., b&w, 16 mm.
Order no. SFP 276.
*Summary:* Describes Air Force planning of materiel requirements and the tests which must be made of equipment. Stresses that the price of peace is strength through air power.
*Borrow from* AF. *Cleared for tv.*

**The peaceful atom** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.
31 min., sd., b&w, 16 mm.
Order no. WA 3.
*Summary:* Admiral Lewis L. Strauss, chairman of the Atomic Energy Commission, explains the AEC emphasis on the exploitation of the "peaceful atom" to improve the national welfare and enlarge the knowledge of the people of the world; traces the expansion of atomic power production since 1954, when Government and industry formed a "partnership" in this endeavor; and points out the number of power plants planned or under construction at the present time.
*Borrow from* Army. *Cleared for tv.*

**Penetrating wounds of the abdomen** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.
14 min., sd., color, 16 mm.
Order no. MN 7458.
*Summary:* Demonstrates five steps for handling penetrating wounds of the abdomen: make a speedy and accurate diagnosis, keep the patient on his back, apply a sterile dressing, treat for shock, and prepare for speedy evacuation.
*Borrow from* Navy. *Buy from* UWF.

**The pentomic Army** (*Motion picture*) U. S. Dept. of the Army, 1958.
30 min., sd., color, 16 mm.
Order no. TF 20-2763.
*Summary:* Describes the reorganization of U. S. Army divisions to a pentomic or five battle group structure. Shows the weapons, both nuclear and conventional, and the equipment used by the organizational units.
*Borrow from* Army. *Cleared for tv.*

**Perforación micrométrica** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
17 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Uso del torno de precisión)
Order no. OE 59-Sp.
Spanish version of Boring to close tolerances.
*Buy from* UWF.

**Performance of long range hypervelocity vehicles** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
30 min., sd., b&w, 16 mm.
Order no. Imp-2.
*Summary:* Discusses some of the problems of space flight and presents a generalized rocket propulsion equation, and discusses it in relation to ballistic, skip, and glide trajectories. Also gives a formula for average heat transfer rate, the stagnation point heat transfer rate, and explains how aerodynamic heating affects design. Shows a possible glide vehicle shape and briefly discusses its suitability for manned flight and the problem of re-entry from satellite orbit. For technical personnel and for advanced students of the aeronautical sciences.
*Borrow from* NASA.

**Performing the BMR test** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
13 min., sd., b&w, 16 mm.
Order no. FTA 414.
*Summary:* Demonstrates procedures for preparing patients for the BMR determination test; shows techniques involved in the operation of the Sanborn metabulator BMR machine.
*Borrow from* AF.

**Perfuração micrométrica** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
17 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Uso do tôrno de precisão)
Order no. OE 59-Port.
Portuguese version of Boring to close tolerances.
*Buy from* UWF.

**Pericardiectomy for chronic constrictive pericarditis** (*Motion picture*) U. S. Veterans Administration, 1952.
10 min., sd., color, 16 mm.
*Summary:* Describes briefly the findings in a case of chronic constrictive pericarditis. Shows and demonstrates the particular findings in chest roentgenograms and, in detail, the surgical technic of pericardiectomy via a vertical sternal-splitting approach.
*Borrow from VA.*

**The periodic check-up** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 4)
Order no. OE 480.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Tuning up the engine, checking and adjusting the brake system, and inspecting the steering system, chassis, and body.
*Buy from UWF.*

**The periodic check-up** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
36 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 4)
Order no. OE 480-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Periodic functions** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.
17 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1549-a.
*Summary:* Defines periodic functions; illustrates the graphing of sine angles; and relates sine waves to the amount of voltage produced by a generator.
*Borrow from Navy. Buy from UWF.*

**Periodic inspection: Airplane** (*Motion picture*) U. S. Office of Education, 1943. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 282.
Supplemented by filmstrip of same title.
With instructor's manual.
*Summary:* Explains the importance and meaning of thoroughness in performing a periodic inspection, showing a complete detailed inspection of an airplane as an example.
*Buy from UWF.*

**Periodic inspection: Airplane** (*Filmstrip*) U. S. Office of Education, 1943. Made by Herbert Kerkow.
31 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 282-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from UWF.*

**Periodic inspection: Engine** (*Motion picture*) U. S. Office of Education, 1943. Made by Herbert Kerkow.
23 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 283.
Supplemented by filmstrip of same title.
With instructor's manual.
*Summary:* Shows how to inspect the general condition of an engine; examine internal parts; check ignition and fuel system; examine the propeller; and prepare an engine for run-up.
*Buy from UWF.*

**Periodic inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1943. Made by Herbert Kerkow.
40 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)
Order no. OE 283-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from UWF.*

**Peripheral nerve surgery. Part 1: Sciatic nerve** (*Motion picture*) U. S. Dept. of the Army, 1947.
33 min., sd., color, 16 mm.
Order no. PMF 5082.
*Summary:* Shows the management of a typical peripheral nerve injury case of the World War II period, including preoperative, surgical, postoperative, and follow-up care.
*Borrow from Army. Buy from UWF.*

**Peripheral nerve surgery: Exploration of sciatic nerve in the thigh** (*Motion picture*) U. S. Veterans Administration, 1950.
11 min., sd., color, 16 mm.
*Summary:* Demonstrates complete paralysis of the sciatic nerve in the mid one-third of the thigh preoperatively, the surgical exploration of the nerve with suture of the common peroneal and neurolysis of the tibial nerve, and recovering of function in the tibial nerve about six months postoperatively.
*Borrow from VA.*

**Peripheral nerve surgery: Neurolysis of the musculocutaneous nerve** (*Motion picture*) U. S. Veterans Administration, 1950.
13 min., sd., color, 16 mm.
*Summary:* Shows demonstration of preoperative examination of an incomplete paralysis of the musculocutaneous nerve, the surgical exploration and neurolysis, and the result.
*Borrow from VA.*

**Peripheral nerve surgery: Result following repair of the radial nerve in mid-third arm** (*Motion picture*) U. S. Veterans Administration, 1950.
6 min., sd., color, 16 mm.
*Summary:* Demonstrates complete lesion of radial nerve in the mid one third of arm, the surgical exploration and suture, and the result following suture two and one-half years postoperative.
*Borrow from VA.*

**Perishable rush** (*Motion picture*) U. S. Army Air Forces, 1945.
20 min., sd., b&w, 16 mm.
Order no. SFP 213.
*Summary:* Shows how the Army Air Forces during World War II flew wounded men from Pacific battle areas to hospitals and home towns in the United States.
*Borrow from AF.*

**Permanent ditch linings** (*Filmstrip*) U. S. Public Health Service, 1945.
107 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. 5-484.
*Summary:* Demonstrates the techniques of constructing monolithic concrete linings in ditches to prevent erosion.
*Borrow from PHS.*

**Peroneal nerve anastomosis at the knee** (*Motion picture*) U. S. Dept. of the Army, 1948.
7 min., sd., color, 16 mm.
Order no. PMF 5088.
*Summary:* Demonstrates a case of the peroneal nerve severed at the bend of the knee with evident foot drop and loss of sensation on the dorsum of the foot. Shows the technique used to effect repair. For medical personnel.
*Borrow from Army.*

**Perseverance** (*Motion picture*) U. S. Dept. of the Army, 1950.
6 min., sd., b&w, 16 mm.
Order no. TF 16-1720.
*Summary:* Dramatized story illustrating the concept of perseverance. Made for use by Army chaplains.
*Borrow from Army.*

**Personal encounter** (*Motion picture*) U. S. Dept. of the Army, 1951.
60 min., sd., b&w, 16 mm.
Order no. TF 19-1634.
*Summary:* Shows ten aspects of hand-to-hand fighting: principles of Judo, falling correctly, throwing, following-through, defense against body holds, defense against choke holds, taking prisoners, defense against wrestling holds, defense against knife or club, and offensive use of the police riot club. For law enforcement groups.
*Borrow from Army. Buy from UWF.*

**Personal integrity** (*Motion picture*) U. S. Dept. of the Army, 1958.

7 min., sd., b&w, 16 mm.

Order no. TF 16-2518.

*Summary:* Dramatized story illustrating the concept of personal integrity. Made for use by Army chaplains.

*Borrow from Army.*

**Personnel landing capabilities of the C-130 aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

12 min., sd., b&w, 16 mm.

Order no. SFP 275.

*Summary:* Demonstrates various uses of the Jato-equipped C-130 aircraft, including carrying 64 paratroopers to the drop zone, returning to the base, carrying personnel and equipment necessary for a field medical station, and returning with 74 patients and two medical attendants.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**Peru** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

21 min., sd., b&w, 16 mm.

*Summary:* Shows modern social and economic life in Peru.

*Buy from UWF.*

**Peru's coastal region** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

11 min., sd., color, 16 mm.

*Summary:* Shows the cities, agriculture, and people of Peru's Pacific coastal plain.

*Buy from UWF.*

**La peste alada** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm.

Spanish version of Winged scourge.

*Summary:* Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.

*Buy from UWF. Cleared for tv. Prior authorization required.*

**The petrified river: The story of uranium** (*Motion picture*) U. S. Bureau of Mines, 1956.

28 min., sd., color, 16 mm.

Order no. 249.

*Summary:* Depicts the geologic theory of how uranium was deposited in beds of prehistoric rivers of the Colorado plateau. Shows present day prospecting, exploration, mining, and milling of uranium ores; the atomic reactor at Oak Ridge, Tenn.; and the peacetime uses of atomic energy.

*Borrow from BM. Cleared for tv.*

**Petroleum and its uses** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1943.

42 min., sd., b&w, 16 mm.

Order no. 202.

*Summary:* Portrays the principal uses of petroleum products in the daily life of an average American family, and describes the production [illegible] uses of petroleum products.

*Borrow from BM. Cleared for tv.*

**Petroleum supply point operations** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

27 min., sd., b&w, 16 mm.

Order no. TF 10-1742.

*Summary:* Shows the operational mission of a petroleum supply unit in the Quartermaster Corps; demonstrates the use of all types of cleaning, dispensing, and storage equipment; and stresses fire hazards and safety precautions.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Philippine Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

97 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min. (Theatres of war series. Pacific area)

Order no. SN 1520-4.

*Summary:* Discusses the three major areas (Luzon, Visayan, Mindanao); the weather, terrain, location of cities and islands, edible food, fish, and animals; how to pick sleeping quarters; and how to protect oneself from pests.

*Borrow from Navy. Buy from UWF.*

**The Philippines** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

15 min., sd., b&w, 16 mm.

Order no. AFIF 48.

*Summary:* A pictorial study of the Philippines, covering its geography, political history, people, religions, industries, government, activities in World War II, and its current role in world affairs.

*Borrow from Army. Cleared for tv.*

**The photographer** (*Motion picture*) U. S. Dept. of State, 1948. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

26 min., sd., b&w, 16 mm.

*Summary:* Personality, philosophy, techniques, and artistry of Edward Weston, a contemporary American photographer, illustrated through scenes of Weston at his home in California and on location, working and talking with his students, and through exhibitions of his portraits. Prepared for overseas use.

*Buy from UWF.*

**Photographic highlights of USAF activities** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

8 min., sd., color, 16 mm.

Order no. SFP 773.

*Summary:* Shows an atomic detonation; acrobatics of the Thunderbirds, Air Force jet demonstration team; and advances in guided missile and other research and development projects.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**Photographic studies of preignition environment and flame initiation in turbojet-engine combustors** (*Motion picture*) U. S. National Advisory Committee on Aeronautics, 1953.

16 min., sd., b&w with color inserts, 16 mm.

*Summary:* By use of transparent combustors shows the effect of combustor operating variables (air flow and pressure, fuel flow and temperature) and fuel-nozzle design on fuel-spray and air-flow patterns in the combustor primary zone at critical starting conditions. Includes pictures of flame propagation in a full-scale turbojet engine. For technical personnel to be used with NACA research memorandum E52 I 11: Photographic studies of preignition environment and flame initiation in turbojet-engine combustors.

*Borrow from NASA.*

**Photos and photomaps** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

23 min., sd., b&w, 16 mm. (Basic map reading series, no. 3)

Order no. TF 5-1782.

Revision of 1945 film with same title, order no. TF 21-2075.

*Summary:* Explains how to identify terrain features on photos and photomaps by size, shape, shadow, relative tone, and relation to surrounding features.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Physical fitness for Waves: Make-up from the neck down** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

20 min., sd., b&w, 16 mm.

Order no. MN 2651.

*Summary:* Presents a physical fitness program designed to persuade Waves to exercise; points out value of sports but stresses the greater value of planned exercises and illustrates some of these exercises.

*Borrow from Navy. Buy from UWF.*

**Physical fitness program for the U. S. Navy** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1944.
25 min., sd., b&w, 16 mm.
Order no. MN 1138.
*Summary:* Shows some of the exercises given the naval trainee and correlates their value with the varied duties he will be called upon to perform afloat.
*Borrow from Navy. Buy from UWF.*

**Physical fitness training series**
see
Navy standard physical fitness test
Navy standard swimming tests and abandoning ship drills

**The physical principles of radiological safety** (*Motion picture*) U. S. Dept. of the Army, 1954.
51 min., sd., b&w, 16 mm. (The radioisotope series, no. 5)
Order no. PMF 5145-e.
*Summary:* Explains the ionizing characteristics of alpha, beta, and gamma radiation; roentgen and roentgen measurement; maximum permissible exposure; formulas for calculation of exposure; problems of uniform and localized exposure; effect of physical decay and biological elimination on dosage rate; and concept of biological half-life and effective half-life.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Physical training. Army drill number one. Part 1: Exercises 1–4** (*Motion picture*) U. S. Dept. of the Army, 1956.
21 min., sd., b&w, 16 mm.
Order no. TF 21-2113.
*Summary:* Demonstrates four exercises—high jump, bend and reach, squat thrust, and rowing—taught as part of the U. S. Army training program.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Physical training. Army drill number one. Part 2: Exercises 5–8** (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm.
Order no. TF 21-2114.
*Summary:* Demonstrates four exercises—squat bender, push-ups, side bender, and body twist—taught as part of the U. S. Army training program.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Physical training. Army drill number one. Part 3: Exercises 9–12** (*Motion picture*) U. S. Dept. of the Army, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 21-2115.
*Summary:* Demonstrates four exercises—squat jumper, trunk twister, stationary run, and 8-count push-up—taught as part of the U. S. Army training program.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Physical training. Army drill number one. Part 4: Alternate exercises, supplementary activities** (*Motion picture*) U. S. Dept. of the Army, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 21-2116.
*Summary:* Demonstrates two exercises—bottoms up, and turn and bounce—and supplementary activities used in the U. S. Army training program including running in formation, sprints, and cross-country runs; guerrilla exercises; grass drill; combative drill; and mass games and relays.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Physiology of high altitude flying** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Film Graphics.
13 min., sd., color, 16 mm.
Order no. MN 5311.
*Summary:* A cartoon character named Stanley illustrates the dangers of high altitude flying and is enlightened on the standard safety precautions.
*Borrow from Navy. Buy from UWF.*

**A piece of wood** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
14 min., sd., color, 16 mm.
*Summary:* Explains what has been done in research to determine better and more efficient uses of forest products; and how the U. S. Forest Products Laboratory at Madison, Wis., has been able to assist industry in meeting the Nation's needs for pulp and paper products.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Pigeon holes and progress** (*Motion picture*) U. S. Post Office Dept., 1953. Made by Vogue Wright.
20 min., sd., b&w, 16 mm.
*Summary:* Portrays the course of a letter through the postal system from sender to receiver, and explains briefly the more important features of the handling of mail of other types.
*Borrow from PO. Cleared for tv.*

**Pile testing** (*Motion picture*) U. S. Army Engineers, 1958.
17 min., sd., color, 16 mm.
*Summary:* Illustrates research in the use of piling to support structural loads on glacial fields of snow and ice. Presents field and laboratory tests and discusses the results of the tests.
*Borrow from Eng. Cleared for tv.*

**A pilgrimage of liberty** (*Motion picture*) U. S. Information Agency, 1958. Made by Victor Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1958.
21 min., sd., color, 16 mm.
*Summary:* A presentation of American monuments, memorials, national parks, and historical landmarks, and their significance to the people of the United States. Included are Mt. Vernon, Monticello, the Hermitage, and the birthplace of Lincoln; also Yosemite and Yellowstone National Parks, with a cross section of points of interest in various parts of the country. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**The pilot and air traffic control** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
29 min., sd., b&w, 16 mm.
Order no. TF 1-5041.
*Summary:* Explains air traffic control procedures and techniques including en route, approach, and local power control; instrument plane control; air traffic control centers; air traffic controllers; ARTC, SFC, and ATC clearance procedures; checkpoints in flight; airways communications stations, control towers, and equipment; ILS and GCA radar approach control.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Pilot emergency escape survival system of the F/TF-102A** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
25 min., sd., color, 16 mm.
Order no. TF 1-5282.
*Summary:* Describes the global survival kit and explains the operational principles of the pilot ejection system. Also covers preflight checks, A-13 mask, partial pressure suit, emergency oxygen supply, and descent techniques.
*Borrow from AF. Cleared for tv.*

**Piloting series**
see
The azimuth circle and pelorus
Barometer, hygrometer, clinometer
Compensating the compass
Correcting the compass
Dividers, parallel rullers, protractors
The fathometer
Instruments used in piloting
The log
The magnetic compass
Radio direction finder

The sextant
Test
Time pieces

**Piloting, surface** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.
33 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-h.
*Summary:* Stresses the importance of accurate piloting and discusses briefly the use of the bearing circle, compass repeater, and alidade in securing bearings.
*Borrow from* Navy. *Buy from* UWF.

**Pilotless aircraft research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
10 min., sd., color, 16 mm.
With lecture notes.
Silent version with the same title also released in 1952.
*Summary:* Shows through slow-motion photography launchings of research rocket models representing different fields of research connected with guided missiles at the NACA Pilotless Aircraft Research Division, Wallops Island, Va. Explains the characteristics of each model and the method of observing its performance in flight. For use by technical personnel and aeronautical students.
*Borrow from* NASA.

**Pilotless aircraft research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.
20 min., si. at sd. speed, 16 mm.
With lecture notes.
Sound version with the same title also released in 1952.
*Summary:* Shows through slow-motion photography launchings of research rocket models representing different fields of research connected with guided missiles at the NACA Pilotless Aircraft Research Division, Wallops Island, Va. Explains the characteristics of each model and the method of observing its performance in flight. For use by technical personnel.
*Borrow from* NASA.

**Pilots for NATO** (*Motion picture*) U. S. Dept. of Defense, 1953.
20 min., sd., b&w, 16 mm.
Order no. RTAF 146.
*Summary:* Shows cadets from NATO (North Atlantic Treaty Organization) nations training, under the Mutual defense assistance program, as combat pilots at American air bases.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Pinta** (*Motion picture*) U. S. Dept. of the Army, 1948.
18 min., sd., color, 16 mm.
Order no. PMF 5071.
*Summary:* Gives the diagnosis and spirochetal etiology of pinta, a chronic disfiguring skin disease, as manifested in its various stages. Tells of arsenical and penicillin therapy yielding good results in the treatment of this disease. For medical personnel.
*Borrow from* Army.

**The Pioneer bubble sextant, Mark 5, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
15 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-ab.
*Summary:* Explains how to use the Pioneer bubble sextant; and the optical and bubble horizon systems, and how to read the scale.
*Borrow from* Navy. *Buy from* UWF.

**The Pioneer bubble sextant, Mark 5. Part 2: Averaging device, adjustments, and practical use** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
15 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-ac.
*Summary:* Shows how to use the Pioneer bubble sextant An-5851, Mark 5 with the averaging device; and explains the practical use of the sextant for sun and star observations.
*Borrow from* Navy. *Buy from* UWF.

Pioneers settle the last frontier
see American history I, lecture 17: Pioneers settle the last frontier

**Pipe fabrication with jigs** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.
22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Pipefitting, no. 7)
Order no. OE 122.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Purpose of the jig; how to lay out and assemble targets for a jig; set targets and hangers using a pipe section as a template; and fabricate pipe on the jig.
*Buy from* UWF.

**Pipe fabrication with jigs** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.
46 fr., b&w, 35 mm. (Shipbuilding skills series. Pipefitting, no. 7)
Order no. OE 122-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Pipe insulation series
see Shipbuilding skills series. Pipe insulation

Pipefitting series
see Shipbuilding skills series. Pipefitting

Pipefitting series (U. S. Navy Dept.)
see Shipbuilding skills series. Pipefitting (U. S. Navy Dept.)

**Pipeline in the sky** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
29 min., sd., color, 16 mm.
Order no. SFP 395.
*Summary:* Explains the origin, development, functions, and services of the USAF Logistics Service.
*Borrow from* AF. *Cleared for tv.*

**Pipeline to tomorrow** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., b&w, 16 mm.
Order no. SFP 693.
*Summary:* Shows how the Air Matériel Command keeps pace with the requirements of the Air Research and Development Command, and describes the mission of each ARDC center.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**The pipette** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.
85 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Infectious hazards of bacteriological techniques, no. 3)
Order no. F 37-d.
*Summary:* Demonstrates the hazards involved in several common techniques of using the pipette and how these techniques can be modified to reduce the danger from bacterial aerosols.
*Borrow from* PHS. *Buy from* UWF.

**Piping fabrication for shipboard high temperature steam systems: Bending and installing** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.
10 min., sd., b&w, 16 mm.
Order no. MN 8480-b.
*Summary:* Emphasizes the care and skills required in the bending and fabrication phases of working with chrome-molybdenum piping.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Piping fabrication for shipboard high temperature steam systems: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8480-a.
*Summary:* Emphasizes the care and skill required for the handling, fabrication, and installation of chrome-molybdenum piping in shipboard high-temperature, high-pressure steam systems.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Piping fabrication for shipboard high temperature steam systems: Welding** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.
13 min., sd., b&w, 16 mm.
Order no. MN 8469-c.
*Summary:* Emphasizes the care and skills required in the welding phases of working with chrome-molybdenum piping.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Piston and liner removal** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly)
Order no. MN 5706-b.
*Summary:* How to remove connecting rod bearing, fork rod piston assembly, blade rod piston assembly, and opposite liners.
*Borrow from* Navy. *Buy from* UWF.

**Pistons and rods** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Fairbanks Morse diesel engine maintenance series. Benchwork)
Order no. MN 2691-i.
*Summary:* How to disassemble, clean, inspect, and reassemble pistons and connecting rods.
*Borrow from* Navy. *Buy from* UWF.

**Pitch buttoning and blocking** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
20 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 182.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Demonstrates blocking large convex lenses, blocking with pagoda tool, use of ring button, buttoning and blocking with pitch points, and pitch buttoning and blocking very small lenses.
*Buy from* UWF.

**Pitch buttoning and blocking** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
66 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 182-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Pitching and striking the sectional hospital tent** (*Filmstrip*) U. S. Dept. of the Army, 1947.
91 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SFS 8-105.
*Summary:* Demonstrates steps in the erection of a sectional hospital tent by an eight-man team.
*Borrow from* Army.

**Placing sliding ways** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
19 min., sd., b&w, 16 mm. (Shipbuilding skills series. Preparation for stern launching)
Order no. MN 2341-d.
*Summary:* Describes step-by-step procedure in placing sliding ways for a stern launching, and follows procedure to the completion of the sliding ways.
*Borrow from* Navy. *Buy from* UWF.

**Placing the right man on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 156.
With instructor's manual.
*Summary:* Dramatized cases of five different workers, unsatisfactory in particular jobs, who are reassigned to other jobs more suitable to their abilities and capacities.
*Buy from* UWF.

**Plague control** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., color, 16 mm.
Order no. MN 4049.
*Summary:* Explains the chief clinical types of plague, the type of environment in which plague tends to flourish, the role of the rat and rat flea, and rat control measures.
*Borrow from* Navy. *Buy from* UWF.

**Plain indexing and cutting a spur gear** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
26 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the milling machine, no. 4)
Order no. OE 15.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Elements of spur gear teeth; principles of the dividing head; how to set up a cutter for milling a spur gear; use of standard indexing plates; and how to mill gear teeth to a specified depth.
*Buy from* UWF.

**Plain indexing and cutting a spur gear** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
58 fr., b&w, 35 mm. (Machine shop work series. Operations on the milling machine, no. 4)
Order no OE 15-fs
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Planers** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
56 fr., b&w, 35 mm. (Machine tools series)
Order no. FS 1-6.
*Summary:* Explains the nomenclature, practical uses, and operation of the planer.
*Borrow from* AF. *Buy from* UWF.

**Planetary gears, principles of operation. Part 1: Single sets** (*Motion picture*) U. S. Dept. of the Army, 1953.
18 min., sd., b&w, 16 mm.
Order no. TF 9-1855.
*Summary:* Describes the use and operation of planetary gears, covering the basic components, the laws of mechanical operation, and the results. Illustrates through a scale model the mechanics of planetary gears.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Planetary gears, principles of operation. Part 2: Multiple sets** (*Motion picture*) U. S. Dept. of the Army, 1953.
15 min., sd., b&w, 16 mm.
Order no. TF 9-1856.
*Summary:* Demonstrates, through the use of a scale model, the principles of operation governing multiple sets of planetary gears.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Planing a dovetail slide** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the planer, no. 2)
Order no. OE 67.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up the workpiece, cutting tools, and machine; make rough and finish cuts in the clearance slot; and make angle cuts.
*Buy from* UWF.

**Planing a dovetail slide** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
38 fr., b&w, 35 mm. (Machine shop work series. Operations on the planer, no. 2)
Order no. OE 67-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Planing a flat surface** (*Motion picture*) U. S. Office of Education, 1945. Made by Harfilms.
22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the planer, no. 1)
Order no. OE 66.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Function of a planer; how to mount the workpiece; set the tool and table for the cut; make a first and second roughing cut and a first and second finishing cut.
*Buy from* UWF.

**Planing a flat surface** (*Filmstrip*) U. S. Office of Education, 1945. Made by Harfilms.
46 fr., b&w, 35 mm. (Machine shop work series. Operations on the planer, no. 1)
Order no. OE 66-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Planing rough surfaces to dimensions** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on a single face surfacer, no. 1)
Order no. OE 301
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to prepare for planing; plane stock to uniform thickness; determine the amount of cut to be made; regulate the speed of feeding; and adjust the surfacer to cut straight, even, clean surfaces.
*Buy from* UWF.

**Planing rough surfaces to dimensions** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
46 fr., b&w, 35 mm. (Precision wood machining series. Operations on a single face surfacer, no. 1)
Order no. OE 301-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

Planing rough surfaces to dimensions
see also
Rabotage de surfaces rugueuses à certaines dimensions

**Planned inspection and maintenance of USAF aircraft. Part 1: Introduction** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
18 min., sd., b&w, 16 mm.
Order no. TF 1-5034.
*Summary:* Explains the aircraft inspection procedures as outlined in T. O. 00-20A-10.
*Borrow from* AF.

**Planned inspection and maintenance of USAF aircraft. Part 2: Demonstration** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
22 min., sd., b&w, 16 mm.
Order no. TF 1-5034.
*Summary:* Shows planned aircraft inspection in operation: preparations for the planning meeting, the planning meeting, in-flight check list, pre-dock inspection, dock inspection, quality control inspection, post-dock inspection, and operational test flight.
*Borrow from* AF.

**Planning and laying out work** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 151.
With instructor's manual.
*Summary:* A plant supervisor talks to his son, who has built a boat in the basement too large to go through the door, about the necessity for planning a job in advance; and recounts several illustrative experiences at the plant.
*Buy from* UWF.

**Planning for good eating** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
9 min., sd., color, 16 mm. (Health for the Americas series)
*Summary:* Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.
*Buy from* UWF. *Cleared for tv.*

Planning for good eating
see also
E facil comer bem
Es fácil comer bien

**Planning for plenty** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.
20 min., sd., b&w, 16 mm.
*Summary:* Forecasts agricultural developments in India, and emphasizes methods of securing water through dams, canals, and underground rivers tapped by means of tube wells. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Planning for the patient's discharge** (*Motion picture*) U. S. Veterans Administration, 1956.
20 min., sd., b&w, 16 mm.
*Summary:* Explains the Veterans Administration program to return as many patients as possible to their homes and communities, including the bringing together of staff representatives of all services, professional and other, to determine and evaluate the discharge problems of individual patients. Shows how member groups of the VA Voluntary Service are called on to assist the patient after he leaves the hospital if his needs cannot be met by established social agencies. For VA staff training and VAVS orientation.
*Borrow from* VA. *Buy from* UWF.

**Planning good meals** (*Filmstrip*) U. S. Public Health Service, 1950.
52 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Taking care of diabetes series, no. 4)
Order no. 5-144.
*Summary:* Explains how a diabetic can plan a wide variety of meals by using a meal plan and "exchange lists" of foods that can be used for variety.
*Borrow from* PHS. *Buy from* UWF.

**Planning our family life** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.
59 fr., b&w, 35 mm.
Order no. 587.
With lecture notes.
*Summary:* Illustrates the solving of everyday family problems cooperatively through the sharing of all members in planning for the farm, the home, and the family.
*Buy from* PhotoLab.

**Planning the home vegetable garden** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.
36 fr., b&w, 35 mm.
Order no. 692.
*Summary:* Shows methods of organizing the planning of a complete and balanced vegetable garden from a practical as well as a nutritional standpoint.
*Buy from* PhotoLab.

**A plant health program** (*Filmstrip*) U. S. Public Health Service, 1955.
55 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. SPF 209.
*Summary:* Shows a typical occupational health program in operation in a modern printing plant.
*Borrow from* PHS. *Buy from* UWF.

**Planting seeds indoors** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
5 min., sd., b&w, 16 mm.
*Summary:* Demonstrates the mixing of vermiculite and sphagnum moss in a seed bed indoors and the planting therein of vegetable and flower seeds.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Plants poisonous to livestock** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
43 double fr., color, 35 mm.
Order no. C-54.
With lecture notes.
*Summary:* Presents views of selected plants which cause livestock losses by poisoning and shows ranchers and herders how to identify them. Discusses the growing habits of the plants and the animals affected by them.
*Buy from* PhotoLab.

**Plaster casts** (*Motion picture*) U. S. War Dept., 1945.
37 min., sd., b&w, 16 mm.
Order no. TF 8-2080.
*Summary:* Illustrates the duties of a plaster technician; examines the plaster room and plaster technician's equipment; shows the technician assisting a surgeon in applying casts to several patients.
*Borrow from* Army.

**Plastic and reconstruction surgery of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.
34 min., sd., color, 16 mm.
Order no. MN 6128-b.
*Summary:* Illustrative cases showing early traumatic wounds of the hands, methods of elective surgery of the hands, and late reconstructive hand surgery. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Plastic repair of a cheek and lip** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., color, 16 mm.
Order no. MN 6485.
*Summary:* Shows how to graft a skin flap from the forehead over a disfiguring scar on the cheek; and a flap from the neck to form an upper lip. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Plastic surgery of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
12 min., sd., color, 16 mm.
Order no. MN 6128-a.
*Summary:* Illustrates techniques of plastic surgery of the hand by the application of live skin grafts. Shows cases involving amputation, tendon laceration, and bone injury. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

Plastics series
see
Compression molding. Part 1: Preparing the charge and loading the mold
Compression molding. Part 2: Molding a simple part
Finishing molded parts
Injection molding. Part 1: Setting up the press and molding a part
Injection molding. Part 2: Cleaning and servicing the press
Machining laminated plastics
Methods of processing plastics materials
Origin and synthesis of plastics materials
Semiautomatic and hand molding of intricate parts
Transfer molding: Molding a part with inserts

**Pliers and screw drivers** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
13 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 2)
Order no. TF 9-2027.
*Summary:* Demonstrates the proper use of pliers and screw drivers and safety precautions to be observed in their use.
*Borrow from* Army. *Buy from* UWF.

**Plum Island Animal Disease Laboratory** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
23 min., sd., color, 16 mm.
*Summary:* Present the Nation's first laboratory for the study of foot-and-mouth disease and the research center to determine ways of eradicating foreign contagious animal diseases. Shows safety measures, isolation safeguards, and facilities provided to conduct experiments designed to guard America's livestock.
*Rent from* DA film libraries. *Cleared for tv.*

**Plunge cut grinding** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the center-type grinder, no. 4)
Order no. OE 83.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount a bushing on a mandrel; dress the side of the grinding wheel; set a dial snap gage for the production grinding of bushings; rough- and finish-grind a bushing; and the importance of rhythm in production grinding.
*Buy from* UWF.

**Plunge cut grinding** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.
27 fr., b&w, 35 mm. (Machine shop work series. Operations on the center-type grinder, no. 4)
Order no. OE 83-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Point control of traffic** (*Motion picture*) U. S. Dept. of the Army, 1955.
32 min., sd., b&w, 16 mm.
Order no. TF 19-2137.
Revision of the 1948 motion picture of the same title.
*Summary:* Explains that point control of traffic is essential for the smooth and rapid movement of troops and supplies. Salient teaching points cover: standardized hand and arm signals; controlling direction of traffic flow through one-way and four-way intersections; management of flow cycle; control of pedestrian traffic—civic and military; handling right-of-way and emergency vehicles; handling traffic jams; handling traffic at defiles; control of traffic at night.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Poising balance wheels** (*Motion picture*) U. S. Veterans Administration, 1949.
7 min., sd., b&w, 16 mm. (Light mechanics series, no. 11)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Shows how to use a poising tool, how to level and clean the tool, and the danger of undercutting during the poising operation.
*Borrow from* VA. *Buy from* UWF.

**Pole drainage** (*Motion picture*) U. S. Public Health Service, 1946.
7 min., sd., color, 16 mm. (Malaria control series)
Order no. 4-033.
*Summary:* Shows how to eliminate quagmires and other marshy mosquito-breeding areas through pole drainage, and restore the land to productivity.
*Borrow from* PHS.

**Pole inspection and maintenance** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
22 min., sd., color, 16 mm.
*Summary:* Demonstrates procedures to be followed in the inspection and maintenance of power and telephone-line poles. Made for technical personnel of REA co-ops.
*Rent from* DA film libraries.

**Pole line construction. Part 3: Erecting poles and attaching crossarms** (*Motion picture*) U. S. Dept. of the Army, 1956.
26 min., sd., b&w, 16 mm.
Order no. TF 11-2798.
*Summary:* Demonstrates the methods of erecting poles and attaching various crossarm installations, including erection using a boom on an earthborer truck and using pike poles and a deadman. Explains the techniques for installing various crossarm constructions: single crossarm, double crossarm, sidearm, buck crossarm, and "H" fixture. Emphasizes the importance of selecting the most suitable type of crossarm installation to support communication circuits.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Pole line construction. Part 4: Fundamentals of guying** (*Motion picture*) U. S. War Dept., 1943.
20 min., sd., b&w, 16 mm.
Order no. TF 11-1069.
*Summary:* Shows methods of installing side, head, pole to stub, and two- or four-way storm guys to provide extra support for poles; and the operation of a guy rule.
*Borrow from Army.*

**A policlinica da sua cidade** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Portuguese version of Your health center.
*Summary:* Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.
*Buy from UWF. Cleared for tv.*

**Polishing** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
28 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 184.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make concave or convex polishing shell; trim polishing shell to size and cut breathers; set up and use polishing machine; make Newton's ring check with test glass; and correct for hollow condition and high condition.
*Buy from UWF.*

**Polishing** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.
64 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)
Order no. OE 184-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

The political arena, 1865-1900
see American history II, lecture 1: The political arena, 1865-1900

**Ponçage de surfaces planes et irrégulières** (*Motion picture*) U. S. Office of Education, 1951.
19 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail à la ponceuse, no 1)
Order no. OE 312-Fr.
French version, prepared by L'Office provincial de publicité cinéphoto, Quebec, of motion picture released in 1945 with title Sanding flat and irregular surfaces.
*Buy from UWF.*

Pontoon assembly and utilization series
see
Pontoon causeway in amphibious operations
Pontoon drydock
Pontoon structures
The pontoon unit

**Pontoon causeway in amphibious operations** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.
27 min., sd., b&w, 16 mm. (Pontoon assembly and utilization series)
Order no. MN 6826-d.
*Summary:* Demonstrates the operation and utilization of pontoon causeway equipment in an amphibious landing operation.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Pontoon drydock** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.
22 min., sd., b&w, 16 mm. (Pontoon assembly and utilization series)
Order no. MN 6826-c.
*Summary:* Demonstrates the assembly and operation of a pontoon floating dry dock, concentrating upon the four-by-fifteen dock with 100 long-ton capacity.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Pontoon structures** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.
11 min., sd., b&w, 16 mm. (Pontoon assembly and utilization series)
Order no. MN 6826-b.
*Summary:* Portrays assembly of a 30-ton barge as a typical method of putting together any pontoon barge unit. Mentions other barges, and portrays the uses of a pontoon wharf and bridge as docking facilities.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The pontoon unit** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.
18 min., sd., b&w, 16 mm. (Pontoon assembly and utilization series)
Order no. MN 6826-a.
*Summary:* Demonstrates the standard U. S. Navy T6 and T7 pontoons, and shows how the basic units are assembled into a string of seven pontoons.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Porcelain jacket crown technique** (*Motion picture*) U. S. National Bureau of Standards, in cooperation with Council on Dental Research, American Dental Association, and the University of Montevideo, Uruguay, 1955.
24 min., sd., color, 16 mm.
*Summary:* Describes in detail a simplified method of making fused porcelain jacket crowns. Discusses the use of a prefabricated porcelain veneer made from a stock tooth, and the use of two porcelains having widely different fusion temperatures. Explains that in this technique fusion shrinkage has been greatly reduced and the number of fusions has been cut from the customary four or five to two.
*Borrow from NBS. Buy from NBS.*

**Porcelain protected surface wiring** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
19 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 9)
Order no. OE 376.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to make an electrical entrance to a building; install wiring and porcelain fittings; support and insulate wires; and prepare and connect wires for service.
*Buy from UWF.*

**Porcelain protected surface wiring** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
45 fr., b&w, 35 mm. (Electrical work series. Wiring, no. 9)
Order no. OE 376-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Pork on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

21 min., sd., b&w, 16 mm.

*Summary:* Shows approved methods of raising hogs for home use; illustrates techniques of killing, dressing, and handling to avoid spoilage; describes methods of cutting and curing, and advantages of cold storage.

*Rent from* DA film libraries. *Buy from* UWF.

**The Portsmouth story** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

23 min., sd., b&w, 16 mm.

*Summary:* Describes the construction of the Commission's gaseous diffusion plant at Portsmouth, Ohio.

*Borrow from* AEC. *Cleared for tv.*

**Portugal** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

14 min., sd., b&w, 16 mm.

Order no. AFIF 29.

*Summary:* Explains the industrial, social, and political problems of Portugal and points out its importance in the North Atlantic Treaty Organization. Prepared for use by U. S. Armed Forces personnel.

*Borrow from* Army. *Cleared for tv.*

**A positive approach to the psychiatric patient** (*Motion picture*) U. S. Veterans Administration, 1955. Made by U. S. Dept. of Agriculture.

30 min., sd., b&w, 16 mm.

*Summary:* Shows the treatment in Veterans Administration hospitals for psychiatric patients who have emerged from acute episodes of mental illness but who are not yet well enough to leave the hospital. Uses a hospital ward unit as the focal setting, and stresses the roles of the nurse, aide, and physician.

*Borrow from* VA. *Buy from* UWF.

**Posterior sympathetic denervation of the upper extremity** (*Motion picture*) U. S. Veterans Administration, 1956.

25 min., sd., color, 16 mm.

*Summary:* A surgical approach to the problem of vasospastic disease is illustrated by anatomical drawings, and by clinical and surgical sequences showing a patient with Raynaud's phenomenon.

*Borrow from* VA.

**Posters teach nutrition around the world** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

52 double fr., color, 35 mm.

Order no. C-45.

With lecture notes.

*Summary:* Illustrates, by use of posters from various countries, how governments are trying to help individuals and families improve their food practices.

*Buy from* PhotoLab.

**Postoperative care** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

13 min., sd., b&w, 16 mm. (Basic nursing care series)

Order no. MN 8578-g.

*Summary:* Describes the duties and responsibilities of hospital corpsmen in caring for a patient immediately after surgery. Depicts in detail the preparation of the bedside area; inspection of operative site for bleeding; observation and recording of temperature, pulse, respiration, and blood pressure; assisting the respiration of the patient, if necessary, including the technic of removal of an artificial airway; administration of medications for pain; assisting the patient to move in bed; assisting the patient to void; observation of patient for signs of any complication following the surgery; and general encouragement toward recovery.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Potatoes are appealing** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

5 min., sd., color, 16 mm. (Consumer education shorts)

*Summary:* Explains the selection, care, and uses of potatoes. Produced especially for use on television.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Potomac River Naval Command** (*Motion picture*) U. S. Dept. of the Navy, 1957.

30 min., sd., b&w, 16 mm.

Order no. MN 8225.

*Summary:* Pictures and explains the naval activities under the purview of the commandant, Potomac River Naval Command.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Pots and pans for your kitchen** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

48 fr., b&w, 35 mm.

Order no. 698.

With lecture notes.

*Summary:* Explains principles to be followed in selecting utensils for a kitchen.

*Buy from* PhotoLab.

**Poultry hygiene: Operating procedures** (*Filmstrip*) U. S. Public Health Service, 1956.

88 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. F 199-c.

*Summary:* Shows the step-by-step details of the complete cycle of poultry processing, and stresses the sanitary aspects in each operation (killing, de-feathering, eviscerating, packaging, and storing or delivering to the consumer) as an illustration of the application of the 1955 USPHS Poultry ordinance and code to the operational procedures in a typical poultry processing plant.

*Borrow from* PHS. *Buy from* UWF.

**Poultry hygiene: Plant layout and construction** (*Filmstrip*) U. S. Public Health Service, 1956.

72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.

Order no. F 199-a.

*Summary:* Shows five main divisions of a medium-sized poultry processing plant (receiving and holding, dressing, evisceration, packaging, and refrigeration) and pertinent construction details relating to sanitation in each division, as an illustration of the application of the 1955 USPHS Poultry ordinance and code to the construction of a poultry processing plant.

*Borrow from* PHS. *Buy from* UWF.

**Poultry hygiene: Refrigeration** (*Filmstrip*) U. S. Public Health Service, 1956.

39 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.

Order no. F 199-d.

*Summary:* Explains the refrigeration temperatures and procedures during processing, storage, and transport of poultry, by following a bird through the plant to a retail store.

*Borrow from* PHS. *Buy from* UWF.

**Poultry hygiene: Waste disposal, clean-up, and basic sanitation** (*Filmstrip*) U. S. Public Health Service, 1956.

72 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. F 199-e.

*Summary:* Describes the essentials of waste collection and disposal, the time and procedures for clean-up of processing rooms and equipment, and basic sanitation in a poultry processing plant.

*Borrow from* PHS. *Buy from* UWF.

**Poultry processing inspection** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

16 min., sd., color, 16 mm.

Order no. TF 1-5151.

*Summary:* Outlines poultry processing inspection procedures required by the U. S. Dept. of Agriculture, U. S. Public Health Service, and Medical Services of the Army and the Air Force. Explains the duties of Air Force veterinary officers in checking cleanliness of plant and personnel, unloading and handling of birds, animal maladies, slaughtering procedures, defeathering, dressing, removal of pinfeathers, singeing, evisceration and processing of edible parts, cutting up, packing and freezing.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Powder metallurgy. Part 1: Principles and uses** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

19 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 346.

With instructor's manual.

*Summary:* Principles of powder metallurgy — powder, pressure, heat; major industrial applications of powder metallurgy; laboratory process of combining silver and nickle powders.

*Buy from* UWF.

**Powder metallurgy. Part 2: Manufacture of porous bronze bearings** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

13 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 347.

With instructor's manual.

*Summary:* Manufacturing process by which metal powders are fabricated into porous bronze bearings and impregnated with oil.

*Buy from* UWF.

**Power and promise** (*Motion picture*) U. S. Atomic Energy Commission, 1959. Made by Mode-Art Pictures.

29 min., sd., color, 16 mm.

*Summary:* Tells the story of the atomic power reactor at Shippingport, Pa.

*Borrow from* AEC.

**Power and the land** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

40 min., sd., b&w, 16 mm.

Revision of the 1940 film of the same title.

*Summary:* Portrays a farm family in Pennsylvania before and after electrification of their farm; contrasts farm duties and tasks performed without electricity, then with electricity; illustrates the method of forming an electrical cooperative of farmers. Includes bringing the facts about rural electrification up to date (1951)

*Rent from* DA film libraries. *Buy from* UWF.

**Power bending conduit** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

17 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 13])

Order no. OE 392.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to assemble and operate a floor bender and a portable bender; make a 45 degree bend in a 3-inch conduit; make an offset in 1½-inch conduit; and make an offset in conduit already installed.

*Buy from* UWF.

**Power bending conduit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

25 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 13])

Order no. OE 392-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Power for flight** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

54 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 15 min. microgroove.

Based on Civil Air Patrol instructor's guide Power for aircraft.

*Summary:* Discusses various power sources used in aircraft and explains the principles of the reciprocating- and turbine-type airplane engines.

*Buy from* CAP.

**Power for peace** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.

20 min., sd., b&w, 16 mm.

Order no. MN 6840.

*Summary:* Presents the experiences of a typical business man attending a Joint Civilian Orientation Conference held by the Dept. of Defense in Washington, D. C. Depicts his observations and reactions to the field demonstrations, the training procedures, and the new weapons displayed.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The power of Chief Joseph** (*Motion picture*) U. S. Army Engineers, 1956.

29 min., sd., color, 16 mm.

*Summary:* Describes the construction and operation of the long powerhouse at Chief Joseph Dam project on the Columbia River in north central Washington.

*Borrow from* Eng. *Cleared for tv.*

**Power plant controls** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

38 fr., b&w, 35 mm.

Order no. SN 2784.

*Summary:* Explains the characteristics of the two principal types of power plant control systems and the advantages and uses of each type. Indicates how to adjust the operation of these controls.

*Borrow from* Navy.

**Power plant lubrication** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

45 fr., b&w, 35 mm.

Order no. SN 164.

*Summary:* An aircraft machine shop demonstration film which describes the use of pressure lubricating guns in general power plant lubrication; lubrication of engine controls; inspection and lubrication of magneto, starter, and generator; and precautions to be observed.

*Borrow from* Navy. *Buy from* UWF.

Power plant maintenance series
see Aircraft work series. Power plant maintenance

**Power spraying with DDT** (*Filmstrip*) U. S. Public Health Service, 1945.

95 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.

Order no. 5-002.1.

*Summary:* Explains how DDT residual spray kills insects, and demonstrates a power sprayer, its parts, uses, and maintenance.

*Borrow from* PHS.

**Powerhead** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

5 min., sd., b&w, 16 mm. (Diesel engine governors series. Marquette governor, no. 4)

Order no. MN 2308-d.

*Summary:* Shows adjustment of the speeder spring and construction and operation of the powerhead. Demonstrates the speed-setting control of the governor.

*Borrow from* Navy. *Buy from* UWF.

**Powering America's progress: A modern story of bituminous coal** (*Motion picture*) U. S. Bureau of Mines in cooperation with Bituminous Coal Institute, 1952.

25 min., sd., color, 16 mm.

Order no. 244.

*Summary:* Depicts modern methods, including safety measures, of mining and preparing bituminous coal for market, and some of its many uses.

*Borrow from* BM. *Cleared for tv.*

Powers, roots, and radicals
see Beginning algebra II, lecture 12 [-14]:
Powers, roots, and radicals

**Practical English usage I, lecture 1: The tools of language** (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

*Summary:* Discusses the parts of speech—nouns, pronouns, verbs, adjectives, adverbs, conjunctions, prepositions, and interjections—and describes the use of words as different parts of speech.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Practical English usage I, lecture 2: Putting words to work; end punctuation** (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

*Summary:* Discusses the sentence and its purposes, and the various parts of a sentence—subject, predicate, and complement. Explains the use of end punctuation.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Practical English usage I, lecture 3: Words as a team; phrases** (*Motion picture*) U. S. Dept. of Defense, 1956.

30 min., sd., b&w, 16 mm.

*Summary:* Discusses prepositional, participial, gerund, and infinitive phrases, and explains their uses in the sentence.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Practical English usage I, lecture 2: Words as a team: clauses** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: Discusses the use of the independent or main clause, coordinate conjunctions, subordinating conjunctions, relative pronouns, and of the subordinate clause used as an adjective, an adverb, and a noun.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 5: More about sentences; punctuation; sentence sense** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 6: More about pronouns** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 7: More about verbs** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 8: Still more about verbs** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 9: More about modifiers** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 10: Writing clear sentences: making words agree** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 11: Writing clear sentences: antecedents and modifiers** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 12: Writing clear sentences: coordination and subordination** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 13: Dressing up sentences; parallelism; avoidance of shifts** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 14: Dressing up sentences; word economy (word reduction)** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 15: Dressing up sentences; variation** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical English usage I, lecture 16: Dressing up sentences; vocabulary** (*Motion picture*) U. S. Dept. of Defense, 1950.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical procedures of measurement** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Practical rat control series**
see
**Area poisoning**
**Rat killing**
**Ratproofing**
**Sanitation techniques in rat control**

**The practice of radiological safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
[illegible]
Summary: [illegible]
*Borrow from Army. Buy from UWF.*

**Precision gage blocks** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
18 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 9)
Order no. OE 89.
With instructor's manual. Supplementary filmstrip of the same title also available.
Summary: Shows various uses of gage blocks in setting inspection gages; how to calculate gage blocks, and clean and assemble the blocks.
Buy from UWF.

**Precision gage blocks** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.
38 fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 9)
Order no. OE 89-S.
Supplements motion picture of the same title.
With instructor's manual.
Buy from UWF.

Precision measurement series
see Machine shop work series. Precision measurement

Precision wood machining series. Fundamentals of patternmaking
see
Making a core box for a flanged pipe elbow
Making a core box for a tail print
Making a core box for a vertical core
Making a matchboard pattern
Making a one-piece flat pattern
Making a pattern for a flanged pipe elbow
Making a pattern for a three-part mold
Making a pattern with a horizontal core
Making a pattern with a tail print
Making a pattern with a vertical core
Making a segmented pattern

Precision wood machining series. Operations on a single face surfacer
see
Planing rough surfaces to dimensions

Precision wood machining series. Operations on the band saw
see
Sawing a reverse curve and a bevel reverse curve
Sawing with jig and changing band

Precision wood machining series. Operations on the jointer
see
Beveling, stop chamfering, and tapering square stock
Face planing uneven surfaces
Jointing an edge for gluing; installing knives
Jointing edges and ends 90 degrees to face

Precision wood machining series. Operations on the sander
see
Sanding flat and irregular surfaces

Precision wood machining series. Operations on the spindle shaper
see
Cutting grooves with circular saw blades
Rabbeting and shaping an edge on straight stock
Shaping after template and shaping curved edges

Precision wood machining series. Operations on the variety saw
see
Beveling, mitering, rabbeting, and dadoing
Cutting cove molding and a cornice
Cutting tenons and segments
Ripping and cross-cutting

Precision wood machining series. Operations on the wood lathe
see
Face turning a collar
Turning a cylinder between centers
Turning taper work
Turning work in a chuck
Turning work on a face plate

Precision wood machining series. Problems in patternmaking
see
Designing a pattern for a water-cooled motor block
Designing core boxes for a water-cooled motor block
Making a core box for a machine base
Making a pattern for a machine molded steel globe and angle valve
Making a pattern requiring box construction
Making a pattern requiring cover core
Making a pattern requiring segmental construction
Making a pattern using a green and a dry sand core
Making pattern, core boxes, and assembling cores for a water-cooled motor block
Redesigning a pattern for production purposes

**Preface to a life** (*Motion picture*) U. S. Public Health Service in cooperation with U. S. Office of Education, 1950. Made by Sun Dial Films.
29 min., sd., b&w, 16 mm.
With discussion guide.
Summary: Parental influence on a child's developing personality illustrated by a series of episodes showing the effects of an overly solicitous mother and an overly demanding father, and, in contrast, the healthy childhood resulting when wise parents accept their child as an individual.
[illegible] Buy from UWF. Cleared for tv. [illegible]

**Preflight inspection: airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. [illegible])
Order no. OE 236.
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: Preparing for engine and aircraft inspection; how to use the "circle method" to inspect landing gear, wings, fuselage, and empennage, [illegible], controls, and instruments.
Buy from UWF.

**Preflight inspection: Airplane** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by Herbert Kerkow.
[illegible] (Aircraft work series. Preventive maintenance)
Order no. [illegible]
Supplements motion picture of same title.
With instructor's manual.
*Dup from UWF.*

**Preflight inspection: Engine** (*Motion picture*) U. S. Office of Education, [illegible]. Made by Herbert Kerkow.
[illegible] (Aircraft work series. Preventive maintenance)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How to check the general condition of an aircraft engine; inspect the fuel system, ignition system, and engine fittings and attachments; conduct an engine run-up; and complete the inspection procedure.
*Dup from UWF.*

**Preflight inspection: Engine** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by Herbert Kerkow.
[illegible] (Aircraft work series. Preventive maintenance)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Dup from UWF.*

**Preliminary investigation of [illegible]** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, [illegible].
[illegible]
Order no. [illegible]
Summary: [illegible]
*Borrow from NACA.*

**Prelude to [illegible]** (*Motion picture*) U. S. Dept. of the Army, [illegible].
[illegible]
Order no. [illegible]
Summary: [illegible]
*Borrow from Army.* [illegible]

**Prelude to victory** (*Motion picture*) U. S. Dept. of the Navy, [illegible].
[illegible]
Order no. [illegible]
Summary: [illegible]
*Borrow from Navy.*

**Prelude to war** (*Motion picture*) U. S. War Dept., [illegible]. Released for public use through U. S. Office of War Information, Domestic Branch, [illegible]; and through U. S. Office of Education, [illegible].
[illegible] (Why we fight series)
Order no. [illegible]
Summary: [illegible]
*Borrow from Army. Dup from UWF.*

**Preoperative care** (*Motion picture*) U. S. Navy Dept., [illegible]. Made by Willard Pictures.
[illegible] (Basic nursing care series)
Order no. [illegible]
Summary: Presents the duties and responsibilities of hospital corpsmen in preparing a patient for surgery [illegible]
*Borrow from Navy. Dup from UWF.* [illegible]

**The preparation and insertion of tantalum plate** (*Motion picture*) U. S. War Dept., [illegible].
[illegible]
Order no. [illegible]
Summary: Demonstrates the preparation for and the insertion of a tantalum plate [illegible]. For medical personnel.
*Borrow from Army.*

**Preparation and staining of blood films** (*Motion picture*) U. S. Public Health Service, [illegible].
[illegible] (Malaria control series)
Order no. [illegible]
[illegible]
Summary: [illegible]
*Borrow from [illegible]. Dup from UWF.*

Preparation and staining of blood films (Motion
picture)
see also
Staining blood films for malaria parasite
examination (Filmstrip)

**Preparation and use of human plasma** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by [illegible] Productions. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]
Order no. [illegible]
Summary: [illegible]
*Borrow from Navy. Dup from UWF.*

**Préparation d'un [illegible] pour le chargement** (*Motion picture*) U. S. Office of Education, [illegible].
[illegible]
Order no. [illegible]
[illegible]
*Dup from UWF.*

**Preparation for docking with keel and bilge blocks** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible] (Shipbuilding skills series)
Order no. [illegible]
Summary: [illegible]
*Borrow from Navy. Dup from UWF.*

**Preparation for fabric covering** (*Filmstrip*). U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1949.
[illegible] fr., b&w, 35 mm.
Order no. [illegible]
*Summary:* Demonstrates cotton cloth covering on wing structure, dope proofing, and fabric [illegible] in aircraft construction.
*Borrow from Navy. Buy from UWF.*

**Preparation for stern launching, DD445 class** (*Motion picture*). U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1945.
[illegible] min., sd., b&w, 16 mm. (Shipbuilding skills series)
Order no. [illegible]
*Summary:* Covers the operations necessary to prepare a ship for launching, including constructing ground ways, fitting sliding ways, installing internal shoring, dog shores, and triggers, and rigging the anchor.
*Borrow from Navy. Buy from UWF.*

Preparation for stern launching series
see Shipbuilding skills series. Preparation for stern launching

**Preparation of a culture medium** (*Motion picture*). U. S. Public Health Service, 1949.
10 min., sd., b&w, 16 mm. (Laboratory diagnosis of tuberculosis, no. 1)
Order no. [illegible]
With utilization guide.
Filmstrip with same title also available.
*Summary:* Demonstrates the necessity for bacteriologic diagnosis of tuberculosis; advantages of the specified [illegible] medium; its ingredients, preparation, tubing, inspissating, testing, and storing of the medium; and characteristic appearance of colonies on the medium.
*Borrow from PHS. Buy from UWF.*

**Preparation of a culture medium** (*Filmstrip*). U. S. Public Health Service, 1949.
[illegible] fr., color, 35 mm., and disc: 1 s., 16 in., 33⅓ rpm, [illegible] min. (Laboratory diagnosis of tuberculosis, no. 1)
Order no. [illegible]
With utilization guide.
Motion picture with same title also available.
*Borrow from PHS.*

**The preparation of dehydrated foods** (*Motion picture*). U. S. Dept. of the Army, 1945.
[illegible] min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* Shows the methods used in U. S. Army [illegible] in the preparation of dehydrated food products.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The preparation of hematoxylin stained smears for diagnosis of intestinal protozoa** (*Filmstrip*). U. S. Public Health Service, 1950.
[illegible] fr., b&w, 35 mm., and disc: 1 s., 16 in., 33⅓ rpm, [illegible] min.
Order no. [illegible]
*Summary:* Explains in detail the steps in preparing hematoxylin stained smears necessary in the diagnosis of intestinal protozoa.
*Borrow from PHS. Buy from UWF.*

**Preparation of sputum specimens** (*Motion picture*). U. S. Public Health Service, 1949.
10 min., sd., b&w, 16 mm. (Laboratory diagnosis of tuberculosis, no. 2)
Order no. [illegible]
With utilization guide.
Filmstrip with same title also available.
*Summary:* Shows the techniques of sputum preparation used in laboratory diagnosis of tuberculosis to simplify diagnostic methods and to supplement x-ray programs.
*Borrow from PHS. Buy from UWF.*

**Preparation of sputum specimens** (*Filmstrip*). U. S. Public Health Service, 1949.
[illegible] fr., color, 35 mm., and disc: 1 s., 16 in., 33⅓ rpm, [illegible] min. (Laboratory diagnosis of tuberculosis, no. 2)
Order no. [illegible]
With utilization guide.
Motion picture with same title also available.
*Borrow from PHS.*

**Preparation of teachers** (*Motion picture*). U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.
[illegible] min., sd., b&w, 16 mm.
*Summary:* Shows the preparation of teachers in the United States as illustrated through the activities at Ball State Teachers College, Muncie, Ind. Prepared for overseas use.
*Buy from UWF.*

**The preparation of topographic manuscripts for reproduction** (*Motion picture*). U. S. Geological Survey, 1952.
[illegible] min., sd., color, 16 mm.
*Summary:* Describes the preparation of final copy for reproduction of topographic maps by scratch drafting procedures.
*Borrow from GS.*

**Prepare thru education** (*Motion picture*). U. S. Dept. of the Army, 1953.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Explains that a high school education is necessary for future careers, and the specialist training and career opportunities available to such graduates in the U. S. Army. Recruiting film for high school students.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Preparedness and national security** (*Motion picture*). U. S. Dept. of Defense, 1951.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Explains steps taken by the United States after World War II to ensure [illegible] preparedness in the event of an attack by any would-be aggressor. Describes the creation of the Central Intelligence Agency, the Research and Development Board, and the National Security Resources Board.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Preparing a cupola for charging** (*Motion picture*). U. S. Office of Education, 1945. Made by Filmcraft Productions.
[illegible] min., sd., b&w, 16 mm. (Foundry work series. Melting practice)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to recognize the end of a heat; procedures for dropping bottom; and for preparing a cupola for the next heat.
*Buy from UWF.*

**Preparing a cupola for charging** (*Filmstrip*). U. S. Office of Education, 1945. Made by Filmcraft Productions.
[illegible] fr., b&w, 35 mm. (Foundry work series. Melting practice)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

Preparing a cupola for charging
see also
Préparation d'un cubilot pour le chargement

**Preparing a school lunch** (*Filmstrip*). U. S. Dept. of Agriculture, 1951.
[illegible] double fr., color, 35 mm.
Order no. [illegible]
With lecture notes.
*Summary:* Explains the good management practices used by a school-lunch manager and her assistants in preparing school lunches for [illegible] children. Prepared especially for use by school-lunch personnel.
*Buy from Photolab.*

**Preparing and setting a keelblock and bottom cradle** *(Motion picture)* U. S. Office of Education, 1942. Made by Caravel Films.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 1)
Order no. OE 23.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Use of base line, vertical centerline, buttock lines, waterlines, and frame lines in checking dimensions during ship construction; how to lay a keelblock; use templates to make spacers; and erect a ship cradle.
*Buy* from UWF.

**Preparing and setting a keelblock and bottom cradle** *(Filmstrip)* U. S. Office of Education, 1943. Made by Castle Productions Corp.
45 fr., b&w, 35 mm. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 1)
Order no. OE 23-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy* from UWF.

Preparing blood films for malaria parasite examination (Filmstrip)
see
Preparation and staining of blood films (Motion picture)

**Preparing blood films for microscopical examination** *(Filmstrip)* U. S. Public Health Service, 1947.
62 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. [illegible]
*Summary:* Explains how to clean microscope slides and prepare thick and thin blood films for use in microscopical diagnosis of malaria.
*Borrow* from PHS.

**Preparing old buildings for wiring** *(Motion picture)* U. S. Office of Education, 1945. Made by Ray-Bell Films.
21 min., sd., b&w, 16 mm. (Electrical work series. Wiring no. 7)
Order no. OE [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to plan the wiring [illegible], visualizing the construction, and then prepare the paths for the wiring runs.
*Buy* from UWF.

**Preparing old buildings for wiring** *(Filmstrip)* U. S. Office of Education, 1945. Made by Ray-Bell Films.
56 fr., b&w, 35 mm. (Electrical work series. Wiring no. 7)
Order no. OE [illegible]-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy* from UWF.

**Preparing the plane for flight** *(Motion picture)* U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.
20 min., sd., b&w, 16 mm. (Fundamentals of patrol plane handling series)
Order no. MN [illegible].
*Summary:* Demonstrates the procedures for preparing a plane for flight, the duties of crew members, and such activities as loading ammunition and supplies and starting and warming the engine.
*Borrow* from Navy. *Buy* from UWF.

**Presacral pneumography** *(Motion picture)* U. S. Dept. of the Army, 1954.
20 min., sd., color, 16 mm.
Order no. PMF [illegible]
*Summary:* Demonstrates the phases of a technique which permits visualization, by means of X-ray, of the retroperitoneal space, particularly the adrenal and kidney glands. For medical personnel.
*Borrow* from Army. *Buy* from UWF.

**Prescribed burning in the South** *(Motion picture)* U. S. Dept. of Agriculture, 1959.
24 min., sd., color, 16 mm.
*Summary:* Describes the objectives, planning, execution, and benefits of prescribed burning in southern pine coastal plain forests. Explains the benefits of prescribed burning, including control of undergrowth, reduction of fire hazards, improvement of wildlife habitat, and control of brown spot in young longleaf pine. A training film designed to inform foresters and fire suppression crews.
*Rent* from [illegible] film libraries. *Buy* from UWF. *Cleared for tv.*

**Prescription for work** *(Motion picture)* U. S. Veterans Administration, 1949.
19 min., sd., b&w, 16 mm.
Supplemented by a series of 17 films released in 1952 with the title: Light mechanics series.
*Summary:* Explains the light mechanics procedure by means of which the work capacities of patients with physical disabilities are determined, and illustrates the procedure in the case of a patient with pulmonary tuberculosis who is retrained to a job within the limits of his endurance.
*Borrow* from VA. *Buy* from UWF.

Prescription for work
see also
Burnishing pivots
The eye loop holder
Making a center punch
Making a cone point set screw
Making a fiddle bow
Making an anchor bolt
Making three steel stalls
Poising balance wheels
Removing and replacing balance wheel screws
Screws and plates
Sharpening hand gravers
Sharpening jewelers' screwdrivers and tweezers
Truing balance wheels
Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off
Turning brass with hand gravers. Part 2: Turning straight and square shoulders

**Prescription O. T.** *(Motion picture)* U. S. Veterans Administration, 1950.
20 min., sd., b&w, 16 mm.
*Summary:* Assists resident physicians in occupational therapy, giving the prescription, and explaining how occupational therapy carries out the prescription.
*Borrow* from VA. *Buy* from UWF.

**Preservation of bacteria by desiccation in vacuo** *(Motion picture)* U. S. Public Health Service, 1945.
10 min., sd., b&w, 16 mm.
Order no. M-[illegible]
With film guide.
*Summary:* Demonstrates the technique for desiccation in vacuo as a method of preservation for some bacteria.
*Borrow* from PHS. *Buy* from UWF.

**Preserve the original strength: Aircraft** *(Filmstrip)* U. S. Dept. of the Navy, 1944. Made by [illegible]. Released for public educational use through U. S. Office of Education, 1946.
77 fr., b&w, 35 mm.
Order no. [illegible]
*Summary:* Explains tension, compression, shear, bending, torsion, [illegible] and [illegible] damages, and "stressed" skin type of wing structure.
*Borrow* from Navy. *Buy* from UWF.

**President Eisenhower's visit to South America** (*Motion picture*) U. S. Information Agency, 1960. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.
[illegible] min., sd., color, 16 mm.
*Summary:* Shows the February-March, 1960, visit of President Eisenhower to Brazil, Argentina, Chile, and Uruguay, including his stopover in Puerto Rico. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**The President plants a tree** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
7 min., sd., color, 16 mm.
*Summary:* Describes and pictures the trees planted by Presidents on the White House lawn, including views of President Eisenhower planting the tree of his choice.
*Rent from DA film libraries. Buy from DA. Cleared for tv.*

**Presidential conventions** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
29 min., sd., b&w, 16 mm. (Report from America, no. 7)
*Summary:* Reviews the 1952 presidential conventions, held at the International Amphitheatre in Chicago, and answers questions on how a person is selected, nominated, and elected. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Presidential hit parade** (*Motion picture*) U. S. Marine Corps, 1951. Made by U. S. Dept. of the Navy.
17 min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* The Marine Band plays favorite musical selections of some U. S. Presidents, and the leader of the band, Lt. Col. W. F. Santelmann, relates anecdotes about their popularity.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Pressure gages** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Office of Education, 1945.
52 fr., b&w, 35 mm.
Order no. [illegible]
*Summary:* Explains the uses of pressure gages on aircraft, and the principles and operation of the Bourdon, diaphragm, and aneroid mechanisms.
*Borrow from AF. Buy from UWF.*

**Pressure sealing** (*Filmstrip*) U. S. Coast Guard, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.
[illegible] fr., b&w, 35 mm.
Order no. [illegible] (formerly [illegible])
*Summary:* Explains the purpose of pressure sealing, and describes kinds of seals, [illegible]
*Buy from UWF.*

**Prevent dysentery** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1945. Made by Apex Film Corp.
7 min., sd., color, 16 mm.
*Summary:* Explains how dysentery spreads and how its spread can be prevented by the boiling of water, protection of food, purification of water, control of flies, and good personal habits of all the people.
*Buy from UWF. Cleared for tv.*

Prevent dysentery
see also
Disenteria

**Prevent farm fires** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Purdue University, 1956.
[illegible] fr., b&w, 35 mm.
Order no. [illegible]
With lecture notes.
*Summary:* How to eliminate fire hazards on the farm by fireproof construction, approved wiring, and careful handling and storing of combustible materials.
*Buy from Photolab.*

**Preventing wind erosion on the Great Plains: Economic problems** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
8 min., sd., color, 16 mm.
*Summary:* Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains how to set up a time schedule for making land-use changes and installing conservation practices.
*Rent from DA film libraries. Cleared for tv.*

**Preventing wind erosion on the Great Plains: Planting grasses** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
7 min., sd., color, 16 mm.
*Summary:* Shows how methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains that good land preparation, proper seeding methods, and adaptability to soil and climate are necessary for desirable grasses.
*Rent from DA film libraries. Cleared for tv.*

**Preventing wind erosion on the Great Plains: Range grazing practices** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
7 min., sd., color, 16 mm.
*Summary:* Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Presents a grassland management plan to improve and maintain the range for the greatest possible long-term returns from grass.
*Rent from DA film libraries. Cleared for tv.*

**Preventing wind erosion on the Great Plains: Stubble mulch farming** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
8 min., sd., color, 16 mm.
*Summary:* Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Describes stubble mulch farming, a proved method used in the Great Plains for protecting cultivated land against harm by high winds and water.
*Rent from DA film libraries. Cleared for tv.*

**Preventing wind erosion on the Great Plains: Tillage practices** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
8 min., sd., color, 16 mm.
*Summary:* Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains that the best tillage methods are those which give the most profitable crop production with the least damage to soil structure and [illegible]
*Rent from DA film libraries. Cleared for tv.*

**Preventing wind erosion on the Great Plains: Tree windbreaks** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
9 min., sd., color, 16 mm.
*Summary:* Shows how good methods and practices can be combined to prevent wind erosion and conserve rainfall in a region with climatic extremes. Explains that each windbreak should be planned carefully and correctly in relation to prevailing winds and that it must protect in order to stabilize the soil and protect growing crops [illegible]
*Rent from DA film libraries. Cleared for tv.*

**Prevention and control of staphylococcal infections** (*Motion picture*) U. S. Public Health Service, 1959.
19 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Presents an analysis of staphylococcal infections in hospitals, and emphasizes techniques and improved housekeeping procedures to follow in the control of these infections.
*Borrow from PHS. Buy from UWF. Cleared for tv. Prior authorization required.*

**Prevention of cold injuries** (*Motion picture*) U. S. Dept. of the Army, 1953.
20 min., sd., b&w, 16 mm.
Order no. TF 8-[illegible]
*Summary:* Defines the nature and symptoms of cold injuries in combat—frostbite of the feet, face and hands, and trench foot—and teaches how to prevent them. Demonstrates under field conditions the basic rules for prevention of cold injury and emphasizes that it is up to the individual soldier to protect himself against the cold.
*Borrow from Army.*

**Prevention of heat casualties** (*Motion picture*) U. S. Navy Dept., 1958. Made by Gilbert Altschul Productions.
25 min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* Introduces the problem of heat stress and the principal types of heat illness that may occur when men are subjected to heavy work output in conditions of severe climatic heat. Presents the primary and secondary factors that may cause heat illness. Shows general measures that may be adopted to prevent occurrence of heat casualties. Explains the Wet Bulb-Globe Thermometer index that combines the four physical variables of the thermal environment into a single value. Depicts the specific actions to be taken, especially by noncommissioned officers, when heat conditions, as determined by the WBGT index, require curtailment or suspension of physical activities in order to prevent the occurrence of heat illness.
*Borrow from Navy.*

**Prevention of pilferage. Part 1: Depots and warehouses** (*Motion picture*) U. S. Dept. of the Army, 1952.
20 min., sd., b&w, 16 mm.
Order no. TF 19-[illegible]
*Summary:* Describes casual and systematic pilferage, measures to prevent stealing, principles for an effective program, and the proper prevention and apprehension procedures to be used.
*Borrow from Army.*

**Prevention of pilferage. Part 2: On ships and wharves** (*Motion picture*) U. S. Dept. of the Army, 1955.
[illegible] min., sd., b&w, 16 mm.
Order no. TF 19-[illegible]
*Summary:* Illustrates precautionary measures to be applied against various methods of pilfering on ships and wharves.
*Borrow from Army.*

**Preventive dentistry: A base dental program** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
[illegible] min., sd., color, 16 mm.
Order no. TF 1-[illegible]
*Summary:* A general discussion of preventive dentistry directed to doctors and dental technicians. Shows how one Air Force base implemented a successful dental program.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Preventive dentistry: Oral hygiene** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
17 min., sd., color, 16 mm.
Order no. TF 1-[illegible]
*Summary:* Shows what the dental clinic can do for the airman through prophylaxis, restoration, and care of the periodontal membrane; and what the airman can do for himself to prevent tooth decay by learning how and when to brush his teeth.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Preventive maintenance of signal equipment for commanders** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
[illegible] min., sd., b&w, 16 mm.
Order no. MF 11-[illegible]
*Summary:* Explains the procedures to be followed in the maintenance of ground signal equipment when in storage at army depots.
*Borrow from Army. Buy from UWF. Cleared for tv.*

Preventive maintenance series
see Aircraft work series. Preventive maintenance

Preventive maintenance series
see *Automotive operation and maintenance series. Preventive maintenance*

**Preventive medicine: A USAF team in action** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible] min., sd., color, 16 mm.
Order no. TF 1-[illegible]
*Summary:* Explains the field of preventive medicine including general hygiene, epidemics, water supply, food inspection, nutrition, and the control and prevention of communicable diseases. Gives an example of an Air Force team of preventive medicine officers working step by step, the cases of two officers who became very ill during a flight from Africa.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**The price of liberty** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.
11 min., sd., b&w, 16 mm.
Order no. AFIF [illegible]
*Summary:* Reviews the role of American women in the preservation of liberty from the Revolutionary period through World War II, to the present day. Portrays women serving as members of the Women's Army Corps, as nurses, and in other jobs of importance to the national security.
*Borrow from Army. Cleared for tv.*

**Price of Rendova** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, [illegible]
[illegible] min., sd., b&w, 16 mm.
Order no. MF [illegible]
*Summary:* Review of combat operations in the capture of Rendova: establishment of beachhead, invasion of jungle, counterattack by Japanese dive bombers, and record of men and materiel destroyed.
*Borrow from Army. Buy from UWF.*

Pride of outfit series
see
The 82d Airborne Division
The 83rd Infantry Division in Europe
The fighting First
Hell for leather
Operation thunderbolt
The red bull attacks: 34th Infantry Division
Seventh Infantry Division
Sixth Infantry Division

**Primary helicopter flight training. Part 1: Primary flight maneuvers** (*Motion picture*) U. S. Dept. of the Army, 1957.
[illegible] min., sd., b&w, 16 mm.
Order no. TF [illegible]
*Summary:* Demonstrates the procedures for executing primary flight maneuvers using the H-13 helicopter, including [illegible] takeoff to hover, hovering flight, hovering autorotation, normal takeoff and approach, surface autorotation, and slowdown procedures.
*Borrow from Army.*

**Primary pilot navigation** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
[illegible] min., sd., color, 16 mm.
Order no. TF 1-[illegible]
*Summary:* Emphasizes the importance of a flying cadet's first cross-country solo. Includes the preflight preparations and all details of the flight plan and the flight.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Primary treatment plants** (*Filmstrip*) U. S. Public Health Service, 1955.
[illegible] fr., b&w, 35 mm., and disc: [illegible] (Municipal sewage treatment plants, no. [illegible])
Order no. [illegible]
Made principally from pictures in the slide sets released under the titles, Imhoff tank process (order no. [illegible]) and Primary treatment process (order no. [illegible]).
*Summary:* Pictures and describes units, structures, and details of equipment used in the operation of typical primary treatment plants for sewage treatment.
*Borrow from PHS. Buy from UWF.*

**Principal dimensions, reference surfaces and tolerances** (*Motion picture*) U. S. Office of Education, 1945. Made by [illegible] Educational Film Co.
[illegible] min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. [illegible])
Order no. OE [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Relationship between the blueprint and a rough and finished casting; how to use a blueprint in selecting reference surfaces, tolerances, and check the accuracy of finished work.
*Buy from UWF.*

**Principal dimensions, reference surfaces and tolerances** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.
[illegible] fr., b&w, 35 mm. (Machine-shop work series. Fundamentals of blueprint reading, no. [illegible])
Order no. OE [illegible]-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Principle of moments** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
[illegible] min., sd., b&w, 16 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE [illegible].
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Explains the concept of moment of a force; the formula for finding its numerical value; principle of moments as applied to all coplanar force systems.
*Buy from UWF.*

**Principle of moments** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
[illegible] fr., b&w, 35 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE [illegible]-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Principles of dry friction** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.
[illegible] min., sd., b&w, 16 mm. (Engineering series)
Order no. OE [illegible].
Supplemented by filmstrip with same title.
With instructor's manual.
*Summary:* Defines friction; explains the advantages and disadvantages of friction; the forces involved in friction; static and kinetic friction; and the calculation of the coefficients of static and kinetic friction.
*Buy from UWF.*

**Principles of dry friction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.
[illegible] fr., b&w, 35 mm. (Engineering series)
Order no. OE [illegible]-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from UWF.*

**Principles of fracture reduction** (*Motion picture*) U. S. Veterans Administration, [illegible]. Made by Churchill-Wexler Film Productions.
[illegible] min., sd., color, 16 mm.
*Summary:* Shows by animation the anatomy in various fractures of the long bones, and demonstrates methods of reduction on individual fractures by traction, countertraction, and manipulation. Emphasizes that the principles of fracture reduction can be applied to [illegible] with the materials at hand.
*Borrow from VA. Buy from UW.*

**Principles of gas-filled tubes** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
[illegible] min., sd., b&w, 16 mm. (Engineering series. Electronics, no. [illegible])
Order no. OE [illegible].
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Theory of ionization applied to gas-filled tubes; control of current in circuits employing gas-filled tubes; use of the gas diode as a rectifier; action of the grid in a gas triode; and application of the gas triode as a grid-controlled rectifier.
*Buy from UWF.*

**Principles of gas-filled tubes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
[illegible] fr., b&w, 35 mm. (Engineering series. Electronics, no. [illegible])
Order no. OE [illegible]-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Principles of gearing: An introduction** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
[illegible] min., sd., b&w, 16 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE [illegible].
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Friction gears and toothed gears; law of gearing, positive driving, involute profiles, pressure angle, cycloid profiles, velocity ratios, and circular pitch.
*Buy from UWF.*

**Principles of gearing: An introduction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
[illegible] fr., b&w, 35 mm. (Engineering series. Fundamentals of mechanics)
Order no. OE [illegible]-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Principles of leadership** (*Motion picture*) U. S. Dept. of the Army, [illegible].
[illegible] min., sd., b&w, 16 mm.
Order no. TF [illegible].
*Summary:* Explains and illustrates eleven principles of leadership, and shows how a leader, using these principles as a guide, can develop the confidence, respect, obedience, and cooperation of his men.
*Borrow from Army. Cleared for tv.*

**Principles of learning** (*Motion picture*) U. S. Dept. of the Army, [illegible].
[illegible] min., sd., b&w, 16 mm. (Military instruction series, no. [illegible])
Order no. TF [illegible].
*Summary:* Explains six principles of learning—Motivation, objective, doing, realism, background, and appreciation—and emphasizes the importance of understanding and applying them during all phases of instruction.
*Borrow from Army. Buy from UWF.*

**Principles of liquids and gases** (*Filmstrip*) U. S. Army Air Forces, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible] fr., b&w, 35 mm.
Order no. FS [illegible].
*Summary:* Explains the basic principles of liquids and of gases and the applications of these principles in airplanes, particularly the hydraulic system.
*Borrow from AF. Buy from UWF.*

**Principles of lubrication** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.
[illegible] min., sd., b&w, 16 mm. (Engineering series)
Order no. OE [illegible].
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* The need for lubrication; properties of lubricants; action of lubricants; viscosity of lubricants; and conditions that determine proper viscosity.
*Buy from UWF.*

**Principles of lubrication** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.
[illegible] fr., b&w, 35 mm. (Engineering series)
Order no. OE [illegible]-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Principles of operation and design** (*Motion picture*) U. S. Public Health Service, [illegible].
[illegible] min., sd., b&w, 16 mm. (Individual sewage disposal systems, no. [illegible])
Order no. PH [illegible].
*Summary:* Explains the basic principles of the function, design, and layout of [illegible] for sewage disposal systems. [illegible]
*Borrow from PHS. Buy from UWF.*

**Principles of operation of the automotive magneto** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

14 min., sd., b&w, 16 mm. (Automotive electricity for military vehicles series, no. [illegible])

Order no. TF 9-[illegible].

*Summary:* Explains by animation the function and advantages of magneto over battery ignition; the magnetic field, conductor, relative motion, primary and secondary windings and their application in two- and four-pole magnetos.

*Borrow from Army. Buy from UWF. Cleared for TV.*

**Principles of refrigeration** (*Motion picture*) U. S. Office of Education, 1944. Made by Graphic Films.

20 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 300.

Supplemented by filmstrip with same title.

With instructor's manual.

*Summary:* Purpose, nature, and physics of refrigeration; the refrigerant and the refrigerating system; and the two principal types of systems—compression and absorption.

*Buy from UWF.*

**Principles of refrigeration** (*Filmstrip*) U. S. Office of Education, 1944. Made by Graphic Films.

[illegible] fr., b&w, 35 mm. (Engineering series)

Order no. OE 300-fs.

Supplements the motion picture of the same title.

With instructor's manual.

*Buy from UWF.*

**Printing the positive** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

[illegible] min., sd., b&w, 16 mm. (Fundamentals of photography series)

Order no. MN [illegible].

*Summary:* Shows hand and machine methods of making photographic prints; emphasizes cleanliness, [illegible] of supplies, [illegible] temperature, timing of solutions and drying.

*Borrow from Navy. Buy from UWF.*

**Pro patria vigilans** (*Motion picture*) U. S. Dept. of the Army, 1952.

[illegible] min., sd., b&w, 16 mm.

Order no. MF [illegible].

*Summary:* Depicts typical missions of the Signal Corps in World War II, showing how joint signal assault companies consisting of Signal Corps and Navy personnel established communications on beachheads, and presenting new developments, including a [illegible] bomb that employs a television viewing device.

*Borrow from Army. Buy from UWF. Cleared for TV.*

**Problem at Port Washington** (*Motion picture*) U. S. Army Engineers, 1952.

[illegible] min., sd., b&w, 16 mm.

Revision of the 1949 motion picture of the same title.

*Summary:* Demonstrates the effectiveness of a small-scale model study in development and testing of plans for reduction of storm-wave action in a Great Lakes harbor and compares wave action in model and prototype.

*Borrow from Eng. Cleared for TV.*

**The problem of hookworm infection** (*Motion picture*) U. S. Public Health Service, 1954.

9 min., sd., color, 16 mm.

Order no. M [illegible].

*Summary:* Emphasizes the dangers of hookworm disease, and pictures the life cycle of the hookworm, conditions in a rural home conducive to hookworm infection, and the effects of hookworm disease in a young girl.

*Borrow from PHS. Buy from UWF.*

Problemas de modelaria
see Usinagem precisa de [illegible]. Problemas de modelaria

Problems in patternmaking series
see Precision wood machining series. Problems in patternmaking

Problems in supervision series
see
Employing blind workers in industry
Employing disabled workers in industry
Establishing working relations for the disabled worker
Every minute counts
Improving the job
Instructing the blind worker on the job
Instructing the disabled worker on the job
Instructing the worker on the job
Introducing the new worker to his job
Maintaining good working conditions
Maintaining quality standards
Maintaining workers' interest
A new supervisor takes a look at his job
Placing the right man on the job
Planning and laying out work
Safety in the shop
Supervising women workers
Supervising workers on the job
The supervisor as a leader, part 1
The supervisor as a leader, part 2
Using visual aids in training
Working with other supervisors

Problems of agriculture and conservation in an industrial economy
see American history II, lecture 6: Problems of agriculture and conservation in an industrial economy

**The problems of air power** (*Filmstrip*) U. S. Civil Air Patrol, 1952.

[illegible] fr., color, 35 mm. and disc: [illegible] in., [illegible] rpm, [illegible] min. [illegible]

Based on Civil Air Patrol instructor's guide of the same title.

*Summary:* Explains the components of air power as being military aviation, aircraft manufacturing, civil air transportation, a national airport system, aeronautical research, and technical education.

*Buy from CAP.*

Problems of finance and foreign trade in an industrial economy
see American history II, lecture 5: Problems of finance and foreign trade in an industrial economy

**Problems of leisure** (*Motion picture*) U. S. Information Agency, 1952. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1956.

[illegible] min., sd., b&w, 16 mm. (Report from America, no. [illegible])

*Summary:* Describes ways in which the workers of America make use of their leisure time. Prepared for overseas use.

*Buy from UWF. Cleared for TV. Prior authorization required.*

**Problems of peace in Europe** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. AFSR 97.
*Summary:* Presents some of the postwar political, social, and economic problems and progress of Europe, including English and Norwegian export trade and modernization of French and Italian agriculture and industry.
*Borrow from Army. Buy from UWF.*

**Problems of peace in the Americas** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
Order no. AFSR 108.
*Summary:* Shows how, through cooperation, the Western Hemisphere can be organized to defend international justice and maintain peace.
*Borrow from Army. Buy from UWF.*

**The production and processing of oysters** (*Motion picture*) U. S. Public Health Service, 1948.
16 min., sd., b&w, 16 mm. (Shellfish sanitation series)
Order no. 4-072.
With film guide.
Filmstrip of the same title also available.
*Summary:* Illustrates sanitary procedures for the oyster industry from growing area, through handling processes, to shipment to consumer. Includes a schematic diagram of an approved shucking and processing plant.
*Borrow from PHS. Buy from UWF.*

**The production and processing of oysters** (*Filmstrip*) U. S. Public Health Service, 1949.
46 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Shellfish sanitation series)
Order no. 5-008.
With film guide.
Motion picture of the same title also available.
*Borrow from PHS. Buy from UWF.*

**Production credit does the job** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
17 min., sd., color, 16 mm.
*Summary:* Explains the functions and operations today of the production credit associations authorized in the Farm credit act of 1933.
*Borrow from EA film libraries. Buy from UWF. Cleared for tv.*

Production methods
see Optical production methods

**The production of maple syrup** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
54 fr., b&w, 35 mm.
Order no. 692.
With lecture notes.
*Summary:* Shows the value of maple syrup production in the United States, and something of the processes used.
*Buy from Photolab.*

**Produzca mais alimentos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Portuguese version of Extra feeding pays.
*Summary:* Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.
*Buy from UWF. Cleared for tv.*

**Produza mais leite** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
10 min., sd., color, 16 mm.
Portuguese version of Better farming: more milk.
*Summary:* Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.
*Buy from UWF. Cleared for tv.*

**Professional education of Air Force officers** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
29 min., sd., color, 16 mm.
Order no. SFP 549.
*Summary:* Explains the scope and quality of professional education within the Air Force, particularly by the USAF Institute of Technology, School of Aviation Medicine, Squadron Officer School, Command and Staff School, Air War College, and the Extension Course Institute.
*Borrow from AF. Buy from UWF. Cleared for tv.*

Professional medical films series
see
Shades of gray

Progressive maintenance diesel propulsion engine series
see
Bearing removal and inspection, 8-268A engine
Bench work, 8-268A engine
Disassembly of the 8-268A engine
Reassembly of the 8-268A engine

Progressive maintenance on the General Motors 12-567A diesel engines series. Benchwork
see
Installation of cylinder head
Liner and piston
Reconditioning the fuel pump

Progressive maintenance on the General Motors 12-567A diesel engines series. Disassembly
see
Bearings
Cylinder head removal
Piston and liner removal

Progressive maintenance on the General Motors 12-567A diesel engines series. Reassembly
see
Installation of cylinder head
Installation of liner and piston

**Project chalk** (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., color, 16 mm.
Order no. MF 9-6266.
*Summary:* Depicts a research study conducted by U. S. Army Field Forces and the Ordnance Ballistic Research Laboratories at Camp Irwin, California, to determine the time required by American tanks to hit a target.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Project Tinkertoy** (*Motion picture*) U. S. Dept. of the Navy, 1953.
20 min., sd., b&w, 16 mm.
Order no. MN 7488.
*Summary:* A report on a joint U. S. Navy-National Bureau of Standards project to develop a new system of electronic design and manufacture using the "building-block" principle by which resistors, capacitors, tube sockets, and other parts of common design are machine assembled into functional electronic products.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Properties of photographic lenses** (*Filmstrip*) U. S. Dept. of the Air Force, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

[illegible]

**Properties of radiation** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

[illegible]

**Property disposal in the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

[illegible]

[illegible] series
 see
 Indirect technique for the porcelain construction of crowns, bridges, and inlays

**Protect frozen foods from temperature damage** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

[illegible]

**Protected passage** (*Motion picture*) U. S. Army Engineers, [illegible].

[illegible]

**Protection against [illegible]** (*Filmstrip*) U. S. Dept. of the Navy, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

[illegible]

**Protection of metals, part 1** (*Filmstrip*) U. S. Dept. of the Navy, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

[illegible]

**Protection of metals, part 2** (*Filmstrip*) U. S. Dept. of the Navy, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

[illegible]

Protective clothing for decontamination personnel
 see [illegible] Protective clothing for decontamination personnel

Protective shelters
 see [illegible] Protective shelters

**Provide for the common defense** (*Motion picture*) U. S. Dept. of Defense, [illegible]. Made by U. S. Dept. of the Army.

[illegible]

**[illegible]** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

[illegible]

**[illegible]** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

[illegible]

The psychiatric patient
 see Your job and the psychiatric patient. Part 1: The psychiatric patient

Psychiatric problems met by the contact representative
 see The difficult case. Part 1: Psychiatric problems met by the contact representative

**Psychosomatic disorders** (*Motion picture*) U. S. Navy Dept., [illegible]. Made by [illegible] Co. of America.

[illegible]

**Psychotherapeutic interviewing: Introduction** (*Motion picture*) U. S. Veterans Administration, [illegible].

[illegible]

**Psychotherapeutic interviewing: Method of procedure** (*Motion picture*) U. S. Veterans Administration, [illegible]
[illegible]

**Psychotherapeutic interviewing series**
see
An approach to understanding dynamics
A clinical picture of anxiety hysteria
A clinical picture of claustrophobia
Non-verbal communication
Psychotherapeutic interviewing: Introduction
Psychotherapeutic interviewing: Method of procedure

**The public health aspects of migrant workers** (*Motion picture*) U. S. Public Health Service, [illegible]
[illegible]

**Public health aspects of poultry processing** (*Motion picture*) U. S. Public Health Service, [illegible]
[illegible]

**Public health nursing in communicable disease control** (*Filmstrip*) U. S. Public Health Service, [illegible]
[illegible]

**Public health problems in mass evacuation** (*Motion picture*) U. S. Public Health Service, [illegible]
[illegible]

**Public information objectives of the Navy** (*Motion picture*) U. S. Dept. of the Navy, [illegible]
[illegible]

**Public works and public utilities: Controlled maintenance** (*Motion picture*) U. S. Dept. of the Navy, [illegible] Made by [illegible]
[illegible]

**Puerto Rico** (*Motion picture*) U. S. Dept. of Defense, [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Pulling and installing cable and packing terminal tubes** (*Motion picture*) U. S. Office of Education, [illegible] Made by Hugh Harman Productions.
[illegible]

**Pulling and installing cable and packing terminal tubes** (*Filmstrip*) U. S. Office of Education, [illegible] Made by Hugh Harman Productions.
[illegible]

**Purification of water** (*Motion picture*) U. S. Dept. of the Army, [illegible]
[illegible]

**Pursuit of happiness** (*Motion picture*) U. S. Information Agency, [illegible] Made by [illegible] Released for public educational use in the United States through U. S. Office of Education, [illegible]
[illegible]

**Putting words to work**
see Practical English usage I, Lecture 5. Putting words to work, and punctuation

# Q

**Q fever** (*Filmstrip*) U. S. Public Health Service, 19[illegible].

[illegible]

**QM operations in Europe** (*Motion picture*) U. S. Dept. of the Army, 19[illegible].

[illegible]

**Quadratic equations**

see Engineering algebra II, lecture 13[illegible]

Quadratic equations

**Quality control** (*Motion picture*) U. S. Dept. of the Air Force, 19[illegible].

[illegible]

**Quality control: a management tool** (*Motion picture*) U. S. Dept. of the Air Force, 19[illegible].

[illegible]

**Quality of a man's suit** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Wool [illegible] and [illegible], 19[illegible].

[illegible]

**Quartermaster at work** (*Motion picture*) U. S. Dept. of the Army, 19[illegible].

[illegible]

**Quartermaster quality control for clothing and textile items** (*Motion picture*) U. S. Dept. of the Army, 19[illegible].

[illegible]

**Quartermaster quality control for general supplies** (*Motion picture*) U. S. Dept. of the Army, 19[illegible].

[illegible]

**Quartermaster quality control for subsistence items** (*Motion picture*) U. S. Dept. of the Army, 19[illegible].

[illegible]

**¿Qué es [illegible]?** (*Motion picture*) U. S. Office of Inter-American Affairs, 19[illegible]. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 19[illegible].

[illegible]

**¿Qué es enfermedad?** (*Motion picture*) U. S. Office of Inter-American Affairs, 19[illegible]. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 19[illegible].

[illegible]

**Queen of the vegetables** (*Motion picture*) U. S. Dept. of Agriculture, 19[illegible].

[illegible]

**Quiet triumph** (*Motion picture*) U. S. Veterans Administration, 19[illegible]. Made by U. S. Dept. of Agriculture.

[illegible]

**Quieting a noisy refrigerator** (*Motion picture*) U. S. Office of Education, 19[illegible]. Made by Frederick K. Rogers.

[illegible]

**Quieting a noisy refrigerator** (*Filmstrip*) U. S. Office of Education, 19[illegible]. Made by Frederick K. Rogers.

[illegible]

# R

**RCS** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films.
[illegible] (Radio technician series)
Order no. [illegible]
Supplemented by filmstrip with same title.
Summary: [illegible]
Borrow from Navy. Buy from UWF.

**RCS** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films.
[illegible] (Radio technician training series)
Order no. [illegible]
Supplements the motion picture of the same title.
Borrow from Navy. Buy from UWF.

**REA comes to the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
[illegible]
Summary: [illegible]
Borrow from [illegible] Buy from EA. Cleared for tv.

**The REA story** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
[illegible]
Summary: [illegible]
Rent from [illegible] Buy from EA. Cleared for tv.

**ROTC at work** (*Motion picture*) U. S. Dept. of Defense, 1953.
[illegible]
Order no. [illegible]
Summary: Activities of the Reserve Officers Training Corps in [illegible]
Borrow from Army. Buy from UWF. Cleared for tv.

**Rabbeting and shaping an edge on straight stock** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
[illegible] (Precision wood machining series. Operations on the spindle shaper, no. 2)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: [illegible]
Buy from UWF.

**Rabbeting and shaping an edge on straight stock** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
[illegible] (Precision wood machining series. Operations on the spindle shaper, no. 2)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
Buy from UWF.

**Rabbeting and shaping an edge on straight stock**
see also
**Feuillurage et toupillage d'un champ sur un matériel droit**

**Rabbit raising** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
[illegible]
Order no. [illegible]
Summary: [illegible]
Buy from Photo Lab.

**Rabies control in the community** (*Motion picture*) U. S. Public Health Service, 1954.
[illegible]
Order no. [illegible]
Summary: [illegible]
Borrow from PHS. Buy from UWF.

**Rabotage de surfaces rugueuses à certaines dimensions** (*Motion picture*) U. S. Office of Education, 1945.
[illegible]
Order no. [illegible]
French version, [illegible] Planing rough surfaces to dimensions.
Buy from UWF.

**Radar refraction and weather: Airborne early warning and control** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible]
Order no. [illegible]
Summary: [illegible]
Borrow from AF. Buy from UWF. Cleared for tv.

**Radar refraction and weather: The radar coverage problem** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible]
Order no. [illegible]
Summary: [illegible]
Borrow from AF. Buy from UWF. Cleared for tv.

**Radar refraction and weather: The radar weather problem** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible]
Order no. [illegible]
Summary: [illegible]
Borrow from AF. Buy from UWF. Cleared for tv.

**Radar refraction and weather: Why the weather?** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible]
Order no. [illegible]
Summary: [illegible]
Borrow from AF. Buy from UWF. Cleared for tv.

**[illegible]**
see
**Trapped**

**Radial drill series**
see Machine shop work series. Operations on the drill press. Radial drill

**Radiation hygiene series**
see
Dental X-ray equipment: Alteration for modern radiation hygiene

**Radical resection of the maxilla with early prosthetic restoration** (*Motion picture*) U. S. Veterans Administration, 1953.
16 min., sd., color, 16 mm.
*Summary:* Demonstrates in a patient with a carcinoma of the maxillary sinus, a surgical technique for radical resection of the superior maxilla. Shows a Weber-Fergusson type of incision, elevating the cheek in a single flap. Explains that because of tumor extension, the eye and orbit are exenterated. After removal of the maxilla, the cheek flap is lined with a split thickness skin graft to hasten healing. One week postoperatively, a temporary acrylic obturator is inserted to allow restoration of phonation and deglutition. Shows details of the final upper denture prosthesis with obturator attachment, and demonstrates the result after three years.
*Borrow from VA.*

**Radical retroperitoneal node dissection in the treatment of testicular tumors** (*Motion picture*) U. S. Dept. of the Army, 1957.
20 min., sd., color, 16 mm.
Order no. PMF 5311.
*Summary:* Shows the dissection of germinal tumors. Describes clinically and microscopically seminoma, embryonal carcinoma, teratocarcinoma, and choriocarcinoma. Demonstrates, using two separate cases, retroperitoneal dissections covering incision, and dissection of nodes from all the involved areas. For medical audiences.
*Borrow from Army.*

**Radio and control** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
32 fr., b&w, 35 mm.
Order no. CO 912.
*Summary:* Explains the use of aircraft radio in maintaining contact with base stations.
*Borrow from Navy.*

**Radio antennas: Creation and behavior of radio waves** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1945.
21 min., sd., b&w, 16 mm.
Order no. TF 1-474.
*Summary:* Explains electric and magnetic fields, generation of electro-magnetic waves, behavior of radio waves in space, ground waves, reflection and refraction, the ionosphere, and causes of fading.
*Buy from UWF.*

**Radio compass equipment** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
21 min., sd., b&w, 16 mm.
Order no. TF 1-4999.
*Summary:* Covers the principles of operation of the AN/ARN-7 radio compass, and discusses problems which arise during actual flight.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Radio direction finder** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1946.
58 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 186-a, formerly SG 2080-a.
*Summary:* Describes the construction and operation of the radio direction finder, models RDNC-121, DAE, and CGR-17.
*Buy from UWF.*

**Radio frequency amplification** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.
58 fr., b&w, 35 mm.
Order no. SN 908.
*Summary:* Describes the theory and practice of amplification of the radio wave.
*Borrow from Navy. Buy from UWF.*

**Radio interference from rural power lines** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
20 min., sd., b&w, 16 mm.
*Summary:* A classroom demonstration, using models, charts, and blackboard explanations, of the causes of radio interference from power lines in rural areas. Prepared for the training of employees of rural electrification cooperatives.
*Rent from DA film libraries. Buy from UWF.*

**The radio man fights** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1949.
10 min., sd., b&w, 16 mm. (Radio operator training series)
Order no. MN 2021-a.
*Summary:* Follows the course of a message from Washington, D. C. to a task force fighting at Guadalcanal; explains the importance of radio in the Navy; and presents an over-all picture of the training and duties expected of each radioman.
*Borrow from Navy. Buy from UWF.*

**Radio navigation. Part 1: Introduction and aids to radio navigation** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.
59 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-269.
*Summary:* Explains how the radio compass, loop antenna, radio range station, and broadcasting station are utilized in aerial navigation.
*Borrow from AF.*

**Radio navigation. Part 2: Radio bearings** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.
42 fr., b&w, 35 mm. (Aerial navigation series)
Order no. FS 1-270.
*Summary:* Defines the terms true, relative, and reciprocal bearings, and shows how to take and use radio bearings to obtain a fix.
*Borrow from AF.*

**Radio navigation, part 5** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
98 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 25 min. (Instrument flight control series)
Order no. SN 1959-h.
*Summary:* Illustrates principles, uses, and operation of the radio direction finder.
*Borrow from Navy.*

**Radio navigation, part 6** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
55 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 22 min. (Instrument flight control series)
Order no. SN 1959-i.
*Summary:* Explains various systems for taking a fix using a radio direction finder.
*Borrow from Navy. Buy from UWF.*

**Radio navigation: Bracketing an unknown beam** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
10 min., sd., b&w, 16 mm. (Instrument flight control series)
Order no. [illegible]
*Summary:* Designed to show navigators how to bracket an unknown beam on a 4-course aural type of radio range. Points out advantages of the system and how to carry out the procedure.
*Borrow from Navy. Buy from UWF.*

**Radio navigation: The radio range** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.
66 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min. (Instrument flight control series)
Order no. [illegible]
Revision of filmstrip produced in 1943 with title: Radio navigation; part 1, Radio range flying.
*Summary:* Shows means used by the Civil Aeronautics Administration to provide navigation radio beams for aircraft within the U. S. Explains on course signals; call letters; leg and equi-signal; M, Fan, and Z markers; and the phenomenon of the multiple or bent beam.
*Borrow from Navy.*

**Radio operator training series**
see
The radio men fights
Rhythm, speed, and accuracy in hand sending
The technique of hand sending
Transmission security

**Radio range course control elements** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
42 fr., b&w, 35 mm.
Order no. FS 1-329.
*Summary:* Describes the components and construction of the interlocking, squeezing, rotating, and bending elements, and how each controls the low frequency radio range courses.
*Borrow from AF.*

**Radio receivers: Principles of radio receivers** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
17 min., sd., b&w, 16 mm.
Order no. TF 1-472.
*Summary:* Portrays the principles and working of typical radio receivers, including crystal and tube detectors, radio and audio frequency amplification, and the superheterodyne circuit.
*Buy from UWF.*

**Radio relay equipment AN/TRC-35 and 36. Part 4: System line up procedures** (*Motion picture*) U. S. Dept. of the Army, 1950.
24 min., sd., b&w, 16 mm.
Order no. TF 11-1798.
*Summary:* Explains the theory and application of the system line-up procedures necessary for the efficient operation of radio relay equipment AN/TRC-35 and 36. Depicts (1) the procedures for the radio system line-up, including pre-setting radio equipment and line-up of radio receivers and transmitters in the system in A to B and B to A directions; and (2) the overall system line-up, when the radio relay equipment is used in conjunction with telephone carrier equipment, including pre-setting relay equipment and system line-up with telephone equipment AN/TCC-3 in A to B and B to A directions.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Radio sets AN/GRC 3, 4, 5, 6, 7, and 8** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
17 min., sd., b&w, 16 mm.
Order no. TF 11-1796.
*Summary:* Explains the characteristics, components, and mechanical operation of the Army-Navy radio sets in the GRC (ground radio control) classification.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Radio shop techniques** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
20 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. [illegible]
*Summary:* Shows tools used by a radio technician and demonstrates orthographic projection, layouts, sawing and filing, drilling, bending metal, wiring, and soldering in making a regenerative receiver.
*Borrow from Navy. Buy from UWF.*

**Radio technician training series**
see
Audio oscillator operation
Capacitance
Inductance
Oscillators
Periodic functions
RCL
Radio shop techniques
Rectangular coordinates
Signal generator operation
Special purpose vacuum tubes
Standing waves on transmission lines
Synchro systems, part 1
Synchro systems, part 2
Tube tester operation
Vectors
Volt ohmmeter operation

**Radio technician training series. Elementary electricity**
see
Amperes, volts, and ohms
Current and electromotive force
Series and parallel circuits

**Radio transmission security** (*Motion picture*) U. S. Dept. of the Army, 1955.
28 min., sd., b&w, 16 mm.
Order no. TF 11-1978.
*Summary:* Describes some violations of radio transmission security in a task-force operation; explains various security precautions, and channels by which the enemy can learn of our plans particularly through radio transmission; emphasizes carelessness of individual operators in compromising the secrecy of various phases of the operation.
*Borrow from Army. Buy from UWF.*

**Radioactive contamination** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1953.
18 min., sd., b&w, 16 mm.
Order no. AFSWP 3201.
*Summary:* Portrays two shipyard workers expressing fear of radioactive contamination of U. S. S. Independence after Bikini atomic bomb tests. Explains that radioactive contamination is only one of the effects of atomic bomb explosions, and illustrates methods used in decontamination of radioactive elements. Produced under the supervision of the Armed Forces Special Weapons Project.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The radioactive isotope series**
see
Fundamentals of radioactivity

**Radioactivity: Laboratory demonstrations** (*Motion picture*) U. S. Dept. of the Army, 1949.
17 min., sd., color, 16 mm.
Order no. PMF [illegible].
*Summary:* Explains elementary principles of radioactivity and shows instruments used in the laboratory for detection and counting. For professional personnel.
*Borrow from Army.*

**Radiodontics** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
87 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 21 min.
Order no. [illegible].
*Summary:* Explains how radiograph is used to locate retained roots, impacted teeth, fractures, cavities, overhanging fillings, abnormal growths, and diseases of teeth and gums. For dental personnel.
*Borrow from Navy. Buy from UWF.*

**The radioisotope: Methodology** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
33 min., sd., b&w, 16 mm. (The radioisotope series, no. 4)
Order no. PMF 5147-d.
*Summary:* Illustrates criteria of tracer methodology for radiochemical purity; explains the importance, in designing a tracer experiment, of economy of time and materials and of accuracy; and portrays a research team planning a typical tracer experiment (metabolism of the horse bean plant) in which appropriate criteria are observed.
*Borrow from Army. Buy from UWF.*

**The radioisotope series**
see
The physical principles of radiological safety
Practical procedures of measurement
The practice of radiological safety
Properties of radiation
The radioisotope: Methodology
Radioisotopes in agricultural research
Radioisotopes in general sciences

**Radioisotopes in agricultural research** (*Motion picture*) U. S. Dept. of the Army, 1952.
41 min., sd., b&w, 16 mm. (The radioisotopes series, no. 12)
Order no. PMF 5147-b.
*Summary:* Explains the use of radioisotopes in agricultural research; traces the utilization of chemicals by plants and animals, and explains how the exact amounts needed are determined by radioactive chemicals; shows the manufacture of radioactive phosphate; and shows experiments using radioactive phosphate in fertilizer and radioactive cobalt in livestock.
*Borrow from Army. Buy from UWF.*

**Radioisotopes in general sciences** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
46 min., sd., b&w, 16 mm. (The radioisotope series, no. 13)
Order no. PMF 5147-c.
*Summary:* Gives nine illustrations of the radioisotope as an important research tool adaptable to tracer investigations in all branches of general science, including metallurgy, chemistry, biochemistry, and plant physiology.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Radiological survey** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1953.
21 min., sd., b&w, 16 mm.
Order no. AFSWP 5202.
*Summary:* Portrays a simulated underwater explosion of an atomic bomb near the coast, the radioactive fog created and spread inland over a 10-mile area, and the aerial and ground surveys made by helicopters and ground crews of the radiologically contaminated area. Produced under the supervision of the Armed Forces Special Weapons Project.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Radiotherapy: High dosage treatment** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
27 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 433.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Nature and physiological effects of high dosage X-rays; administration of X-ray treatments for carcinoma of the tongue; function and administration of radon seeds; Nursing care of patients receiving X-ray therapy.
*Buy from UWF.*

**Radiotherapy: High dosage treatment** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
50 fr., b&w, 35 mm. (Nursing series)
Order no. OE 433-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Rail right-of-way maintenance and repair: Elements of maintenance** (*Filmstrip*) U. S. Dept. of the Army, 1954.
96 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 29 min.
Order no. SFS 55-18.
*Summary:* Presents basic procedures for rail maintenance, underscoring their importance to railway safety with respect to the renewal, spot surfacing and lining, identifying and removing of a defective rail, and turnouts.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Railroad safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.
34 min., sd., b&w, 16 mm.
Order no. TF 55-1731.
*Summary:* Explains the importance of safety in all phases of railroad work: in the yards, aboard trains, along the right of way, and in the maintenance shops.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Railroads** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 19)
*Summary:* Presents the problems encountered by railroads in the United States, the changes that have occurred during the past 50 years, and current developments. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Rainbow Valley: The story of a forest ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
28 min., sd., color, 16 mm.
*Summary:* Portrays the work and responsibilities of U. S. forest rangers, and the benefits of the National forests in terms of timber, water, grass, wildlife, and recreation.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Raindrops and erosion** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
50 fr., b&w, 35 mm.
Order no. 672.
With lecture notes.
*Summary:* Shows how raindrops loosen topsoil, cause flood run-off, and accelerate silt accumulation in streams and reservoirs.
*Buy from* PhotoLab.

**Raindrops and soil erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
21 min., sd., color, 16 mm.
*Summary:* Shows through the use of close-up photography the action of individual raindrops upon uncovered soil; and emphasizes the need for soil and water conservation methods.
*Rent from* DA film libraries. *Buy from* UWF.

**The raisins you buy** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the California Raisin Advisory Board, 1957.
6 min., sd., color, 16 mm.
*Summary:* Explains how California raisins are cleaned, processed, and packaged, and the role the U. S. Department of Agriculture Inspection Service plays in this process to determine the quality of raisins.
*Loan from Ext. film libraries. Buy from DA. Cleared for tv.*

**The ramparts we watch** (*Motion picture*) U. S. Dept. of Defense, 1960.
22 min., sd., color, 16 mm.
Order no. AFIF 102.
*Summary:* Portrays Army, Navy, Air Force, and Marine Corps teams working side by side as a team to carry out the complex and demanding assignments required to man and operate the modern military establishment. Shows service sports competition and the overseas role of a U. S. serviceman as good-will ambassador in the People-to-People Program. Introduced by Thomas Gates, Secretary of Defense.
*Borrow from Army. Cleared for tv.*

**Ranger training** (*Motion picture*) U. S. Dept. of the Army, 1953.
28 min., sd., b&w, 16 mm.
Order no. FB 7-293.
*Summary:* Illustrates ranger training of the U. S. Army, including specialized training for jungle and mountain operations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Rat ectoparasite control** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.
12 min., sd., b&w, 16 mm. (Rodent control series, no. 7)
Order no. TF 8-1675 or M 37-g.
*Summary:* Explains the necessity, in areas where murine typhus or plague exist, to kill rat fleas even before killing the rats; and demonstrates the methods of using DDT to kill fleas.
*Borrow from Army.*

**Rat ectoparasite control** (*Motion picture*) U. S. Public Health Service, 1954.
8 min., sd., b&w, 16 mm. (Rodent control, no. 8)
Order no. M 37.1-g.
Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Explains the necessity, in areas where murine typhus or plague exist, to kill rat fleas even before killing the rats; and demonstrates methods of using DDT to kill the fleas.
*Borrow from* PHS. *Buy from* UWF.

**Rat eradication measures on ratproofing projects** (*Filmstrip*) U. S. Public Health Service, 1947.
78 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. 5-068.
*Summary:* Explains the steps to be taken in the eradication of rats from a ratproofed building, including the use of various poisons and traps, and the need for periodic inspections.
*Borrow from* PHS.

**Rat killing** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.
36 min., sd., b&w, 16 mm. (Rodent control series, no. 6. Practical rat control, no. 3)
Order no. TF 8-1674 or M 37-f.
*Summary:* Discusses the uses of such rodenticides as red squill, ANTU, arsenic trioxide, 1080 water, and warfarin; and emphasizes three aspects of rat control—sanitation techniques, ratproofed buildings, and rat killing.
*Borrow from* Army.

**Rat killing** (*Motion picture*) U. S. Public Health Service, 1954.
13 min., sd., b&w, 16 mm. (Rodent control, no. 6. Practical rat control, no. 3)
Order no. M 37.1-f (1).
Revision of motion-picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Emphasizes three aspects of rat control — sanitation techniques, ratproofed buildings, and rat killing.
*Borrow from* PHS. *Buy from* UWF.

**Rat killing**
**see also**
**Area poisoning**

**The rat problem** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.
23 min., sd., b&w, 16 mm. (Rodent control series, no. 1)
Order no. TF 8-1669 or M 37-a.
*Summary:* Orientation film emphasizing the extent and seriousness of the health and economic problems caused by rats.
*Borrow from Army. Buy from UWF.*

**The rat problem** (*Motion picture*) U. S. Public Health Service, 1954.
10 min., sd., b&w, 16 mm. (Rodent control, no. 1)
Order no. M 37.1-a.
Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Orientation film emphasizing the extent and seriousness of the health and economic problems caused by rats.
*Borrow from* PHS. *Buy from* UWF.

**Ratio, proportion, and variation**
**see Beginning algebra II, lecture 9: Ratio, proportion, and variation**

**Ration breakdown** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.
10 min., sd., b&w, 16 mm.
Order no. TF 10-1654.
*Summary:* Illustrates ration servicing in the field from a divisional class I supply point.
*Borrow from Army.*

**Ratproofing** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.
18 min., sd., b&w, 16 mm. (Rodent control series, no. 5. Practical rat control, no. 2)
Order no. TF 8-1673 or M 37-e.
*Summary:* Explains methods and materials to be used in the ratproofing of buildings so as to prevent the entry or exit of rats, and after ratproofing the exterior of a building, the necessity of killing all rats inside.
*Borrow from Army.*

**Ratproofing** (*Motion picture*) U. S. Public Health Service, 1954.
10 min., sd., b&w, 16 mm. (Rodent control, no. 5. Practical rat control, no. 2)
Order no. M 37.1-e.
Revision of motion picture with the same title produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Explains methods and materials to be used in the ratproofing of buildings so as to prevent the entry or exit of rats, and after ratproofing the exterior of a building, the necessity of killing all rats inside.
*Borrow from* PHS. *Buy from* UWF.

**Ratproofing of existing buildings** (*Filmstrip*) U. S. Public Health Service, 1947.
80 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min.
Order no. 5-067.
*Summary:* Briefly explains the habitat of rats and the need for ratproofing buildings; and demonstrates the methods by which existing buildings can be ratproofed and maintained in a rat-free condition.
*Borrow from* PHS.

**Reaching for space** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
14 min., sd., b&w, 16 mm.
Order no. SFP 603.
*Summary:* Describes the extensive research which the Air Force is conducting to meet the challenge of outer space.
*Borrow from* AF. *Cleared for tv.*

**Reading a drawing of a valve bonnet** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
20 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 3)
Order no. OE 53.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to interpret conventional symbols and tolerance specifications and use the blueprint in planning machine operations.
*Buy from* UWF.

**Reading a drawing of a valve bonnet** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
36 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 3)
Order no. OE 53-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Reading a three-view drawing** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
10 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 2)
Order no. OE 52.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use a blueprint to visualize the object; interpret a blueprint; and make a tool block according to specifications shown on a blueprint.
*Buy from* UWF.

**Reading a three-view drawing** (*Filmstrip*) U. S. Office of Education, 1946. Made by Ray-Bell Films.
30 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 2)
Order no. OE 52-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Ready for sea** (*Motion picture*) U. S. Dept. of the Navy, 1952.
14 min., sd., b&w, 16 mm.
Order no. MN 7445.
*Summary:* Follows the training necessary to make a young civilian into a sailor ready for sea; shows scenes of the work, study, play, and companionship which comprises "boot camp."
*Borrow from* Navy. *Cleared for tv.*

**Realm of the honeybee** (*Motion picture*) U. S. Dept. of Agriculture, 1932.
62 min., si., b&w, 16 mm.
*Summary:* Shows and describes the life and value of bees in the production of honey and beeswax and as nature's agent in cross-pollination.
*Rent from* DA film libraries. *Buy from* UWF.

**Realm of the wild** (*Motion picture*) U. S. Dept. of Agriculture, 1945.
27 min., sd., color, 16 mm.
*Summary:* Scenes of wildlife in the national forests—big game, small animals, and birds; emphasizes the relationship between wildlife population and the available food supply.
*Rent from* DA film libraries.

**Reaming with straight hand reamers** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.
20 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 4)
Order no. OE 37.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Types of reamers; how to check the size of reamers; and how to ream straight holes with straight-fluted, helical-fluted, and adjustable-blade reamers.
*Buy from* UWF.

**Reaming with straight hand reamers** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
47 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 4)
Order no. OE 37-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

**Reaming with taper hand reamers** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.
15 min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 5)
Order no. OE 38.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to hand ream a tapered hole through a shaft and collar; fit a taper pin in the reamed hole; and ream bearing caps for fitting dowel pins.
*Buy from* UWF.

**Reaming with taper hand reamers** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
41 fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 5)
Order no. OE 38-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Reassembling the engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.
22 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 271.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to reassemble the crankshaft and camshaft assemblies, crankcase section, and gear case cover assembly; reinstall the oil sump; and complete reassembly of the engine.
*Buy from* UWF.

**Reassembling the engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.
30 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 271-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Reassembly, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
23 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 3707-c.
*Summary:* How to install liner, piston assembly, cylinder head, and rocker lever assembly in reassembly of the General Motors 16-278A diesel engine.
*Borrow from* Navy. *Buy from* UWF.

**Reassembly. Part 2: Head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
27 min., sd., b&w, 16 mm. (General Motors 16-278A diesel engine series)
Order no. MN 3707-d.
*Summary:* How to install injector and controls; test injector; adjust injector; install valve bridges and rocker shaft; and assemble and time injector and exhaust.
*Borrow from* Navy. *Buy from* UWF.

**Reassembly of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
14 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 3)
Order no. MN 2860-c.
*Summary:* Demonstrates how to reassemble and install the cylinder head; explains each operation and the use of proper tools.
*Borrow from* Navy. *Buy from* UWF.

**Reassembly of pistons** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., b&w, 16 mm. (Cooper Bessemer diesel engine maintenance series. Bench work, no. 2)
Order no. MN 2860-g.
*Summary:* Demonstrates proper sequence of steps in reassembling pistons.
*Borrow from* Navy. *Buy from* UWF.

**Reassembly of the 8–268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.
36 min., sd., b&w, 16 mm. (Progressive maintenance diesel propulsion engine series)
Order no. MN 280-b.
*Summary:* Demonstrates how to reassemble the General Motors 8–268A diesel engine.
*Borrow from* Navy. *Buy from* UWF.

Reassembly series
see Progressive maintenance on the General Motors 12–567A diesel engines series. Reassembly

**Rebuilding with grass** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
21 min., sd., color, 16 mm.
*Summary:* Ranchers in Idaho, Utah, Nevada, and New Mexico tell about their work in reseeding and improving the management of their lands. Shows how eradication of sagebrush and reseeding of worn-out range lands have restored the land.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Reciprocating engine construction** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
63 fr., b&w, 35 mm.
Order no. SCG 176-c, formerly SG 2315.
*Summary:* Explains the construction of a reciprocating engine, the function of its parts, and the relationship of these parts in operation.
*Buy from* UWF.

**Reciprocating pump opening for inspection** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Shipbuilding skills series. Outside machinist)
Order no. MN 2348-a.
Supplementary filmstrip of same title also available.
*Summary:* Stresses the importance of care in the disassembly of any type of machinery or engine. Demonstrates, on a vertical simplex reciprocating pump, the proper procedures, marking of parts, use of standard machinist's hand tools, and safety precautions.
*Borrow from* Navy. *Buy from* UWF.

**Reciprocating pump opening for inspection** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
34 fr., b&w, 35 mm. (Shipbuilding skills series. Outside machinist)
Order no. SN 2348-m.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Recognition of domestic rodent signs** (*Filmstrip*) U. S. Public Health Service, 1952.
50 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min.
Order no. F 111.
*Summary:* Explains where to look for rodent signs and how to identify the various species of rodents by the size and shape of their droppings.
*Borrow from* PHS.

**Recognition of leprosy** (*Motion picture*) U. S. Public Health Service, 1950.
15 min., sd., color, 16 mm.
Order no. M 273.
*Summary:* Illustrates the clinical manifestations of leprosy, using patients from the Public Health Service Hospital at Carville, La.; shows the technique of taking and staining skin scrapings to demonstrate the etiologic agent, Mycobacterium leprae, and the technique of taking skin biopsies to determine pathology of peripheral nerves.
*Borrow from* PHS. *Buy from* UWF.

**Reconditioning a cultivator** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
14 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 5)
Order no. OE 453.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to replace a worn wheel bearing; adjust yoke; check and adjust shovels; check and lubricate gang expansion and steering assemblies; and lubricate all parts of a cultivator.
*Buy from* UWF.

**Reconditioning a cultivator** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
36 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 5)
Order no. OE 453-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Reconditioning a cylinder with a portable boring bar** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
30 min., sd., b&w, 16 mm. (Shipbuilding skills series. Outside machinist)
Order no. MN 2348-b.
Supplementary filmstrip of same title also available.
*Summary:* Traces a typical boring job to illustrate various checks, adjustments, and alignments required to operate the boring bar; covers types, uses, nomenclature, set-up, and operation of the portable bar while demonstrating the reconditioning of a cylinder.
*Borrow from* Navy. *Buy from* UWF.

**Reconditioning a cylinder with a portable boring bar** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
70 fr., b&w, 35 mm. (Shipbuilding skills series. Outside machinist)
Order no. SN 2348-n.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Reconditioning a grain drill** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.
31 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 4)
Order no. OE 197.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to inspect and repair a typical grain drill; clean and lubricate the fertilizer and seeding mechanism; repair the disc furrow openers, drive chains, pawl assembly; and calibrate the seeding mechanism.
*Buy from* UWF.

**Reconditioning a grain drill** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
37 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 6)
Order no. OE 197-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from UWF.*

**Reconditioning a mower. Part 1: Cutter bar** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.
23 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 1)
Order no. OE 194.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to inspect the sickle; repair and adjust the [illegible] and align the cutter bar; and check the mower's operation.
*Buy from UWF.*

**Reconditioning a mower. Part 1: Cutter bar** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.
29 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 1)
Order no. OE 194-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from UWF.*

**Reconditioning a mower. Part 2: Drive system** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.
21 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 2)
Order no. OE 195.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to clean, inspect, lubricate, and replace the wheel assembly; replace a worn wrist pin; disassemble and inspect the gear assembly; check and remove, if worn, flywheel shaft bearings and install new bearings; and lubricate the reconditioned mower.
*Buy from UWF.*

**Reconditioning a mower. Part 2: Drive system** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.
40 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 2)
Order no. OE 195-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from UWF.*

**Reconditioning a two-bottom tractor plow** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.
25 min., sd., b&w, 16 mm. (Farm work series. Equipment maintenance, no. 3)
Order no. OE 196.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* How to check and repair the wheel assemblies and the power lift assembly; recondition the plowshares; adjust the coulter; and check and adjust the furrow wheels in the field.
*Buy from UWF.*

**Reconditioning a two-bottom tractor plow** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.
19 fr., b&w, 35 mm. (Farm work series. Equipment maintenance, no. 3)
Order no. OE 196-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from UWF.*

**Reconditioning the fuel pump** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm. (Progressive maintenance on the General Motors 12–567A diesel engines series. Benchwork)
Order no. MN 3708-g.
*Summary:* How to install seal assembly, diaphragm, copper seal gasket, shim, setting bar, and spacer in the fuel pump.
*Borrow from Navy. Buy from UWF.*

**The reconnaissance platoon and company** (*Motion picture*) U. S. Dept. of the Army, 1949.
27 min., sd., b&w, 16 mm.
Order no. TF 17-1198.
*Summary:* Explains the functions and operations of a reconnaissance platoon and company in its mission of protecting the flanks of the main military body.
*Borrow from Army. Cleared for tv.*

**Reconstitution of the lung** (*Motion picture*) U. S. Veterans Administration, 1950.
33 min., sd., color, 16 mm.
*Summary:* Shows representative segmental and subsegmental resections in the right or left upper lobes; illustrates the manner in which the resulting defect is repaired or reconstituted; describes various operative situations which may be encountered; and discusses the method of reconstitution.
*Borrow from VA.*

**Reconstruction of the lower lip and chin** (*Motion picture*) U. S. Dept. of the Army, 1947.
20 min., sd., color, 16 mm.
Order no. PMF 5075.
*Summary:* Demonstrates the methods used in a reconstruction of the lower lip and chin, showing all phases of restoration in a case in which two-thirds of the lower lip, chin, and mandible were destroyed by shell fragments. For medical personnel.
*Borrow from Army.*

**Recreation and athletics in the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. MN 6620.
*Summary:* Emphasizes importance of physical training in the U. S. Navy and demonstrates types of training that may be practiced by the individual for recreation.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Recreation center operation** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.
13 min., sd., b&w, 16 mm.
Order no. MF 12-7341.
*Summary:* Shows and explains the operation and activities of a U. S. Army recreation center.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Recreation leadership** (*Motion picture*) U. S. Dept. of the Army, 1953.
23 min., sd., b&w, 16 mm.
Order no. TF 12-1908.
*Summary:* Portrays the procedures used by an Army captain in developing a recreational program for a newly formed company.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Recreational and occupational therapy** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
13 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 415.
With instructor's manual. Supplemented by filmstrip of the same title.
*Summary:* Recreational and occupational activities fitted to the patient's condition; passive diversion during an immobile state; limited physical activities carried on in bed; individualized occupational therapy; and social recreation projects.
*Buy from UWF.*

**Recreational and occupational therapy** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
35 fr., b&w, 35 mm. (Nursing series)
Order no. OE 415-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Rectangular coordinates** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.
16 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. [illegible]
*Summary:* Demonstrates how to use coordinates in solving problems involving time and distance, and how to locate a point using coordinates.
*Borrow from Navy. Buy from UWF.*

**The red bull attacks: 34th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.
23 min., sd., b&w, 16 mm. (Pride of outfit series)
Order no. [illegible]
*Summary:* Traces the history of the 34th Infantry Division back to the Minnesota Volunteers in the Civil War, and recounts the action of the division in World Wars I and II.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Red China and the United Nations** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. OC 8.
*Summary:* Henry Cabot Lodge, Jr., U. S. Ambassador to the United Nations, explains briefly to an officers' conference the changes that have transpired in the UN mission from 1945 to the present, and the current policy of the U. S. towards admitting Red China to the U.N., and answers questions concerning Red China and its possible admission to the United Nations.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Redesigning a pattern for production purposes** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
11 min., sd., b&w, 16 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 398.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a pattern originally designed for casting a single piece is redesigned for quantity production.
*Buy from UWF.*

**Redesigning a pattern for production purposes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
32 fr., b&w, 35 mm. (Precision wood machining series. Problems in patternmaking)
Order no. OE 398-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Redesigning a pattern for production purposes**
see also
Reprise de l'étude d'un modèle pour fin de production en série

**Reds launch spring offensive** (*Motion picture*) U. S. Dept. of Defense, 1951.
15 min., sd., b&w, 16 mm.
Order no. CB 118.
*Summary:* Military operations in Korea from April 20 to May 20, 1951.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Reduced voltage starters** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
22 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 3)
Order no. OE 390.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Principle of the transformer; operation of a manual starting compensator, thermal overload relay, and automatic starting compensator.
*Buy from UWF.*

**Reduced voltage starters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
48 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 3)
Order no. OE 390-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Reduction of radio interference** (*Motion picture*) U. S. Dept. of the Navy, 1951.
20 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Shows causes of interference in radio and electronic equipment and explains why such interference is a serious operational hazard to aircraft, surface ships, submarines, and shore stations; and demonstrates how interference can be reduced to achieve better performance of radio and electronic equipment.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Reduction of radio interference: Shipboard installation practices** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.
18 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Shows how poor installation practices contribute to radio interference and how good installation practices can eliminate such interference.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Refrigerated food storage principles** (*Filmstrip*) U. S. Public Health Service, 1951.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Food handling series, no. 2)
Order no. F 21-9.
*Summary:* Explains the principles of refrigerated storage of foods and shows methods of storing foods in a refrigerator.
*Borrow from PHS. Buy from UWF.*

**Refrigeration service series. Commercial systems**
see
Adjusting & repairing the thermo expansion valve
Adjusting commercial thermostatic controls
Adjusting pressure actuated temperature control devices
Making and repairing tubing connections
Servicing water-cooled condensers

**Refrigeration service series. Domestic units**
see
Adding or removing refrigerant
Adjusting and checking the expansion valve
Checking and replacing a float valve
Checking the electrical system
Checking the system. Part 1: General procedure
Checking the system. Part 2: Trouble shooting
Locating and repairing leaks
Quieting a noisy refrigerator
Removing and installing a compressor or condenser
Removing and installing a cooling unit

**Refuse disposal by sanitary landfills** (*Motion picture*) U. S. Public Health Service, 1956.
13 min., sd., color, 16 mm.
Order no. M 228.
*Summary:* Describes faults of disposal methods such as open dumps, and compares the vector-borne disease and nuisance hazards of these methods to those of landfills. Shows how to select a site, types of equipment used, how to construct a landfill, different types of operating procedures, and over-all contributions of sanitary landfills to public health.
*Borrow from PHS. Buy from UWF.*

**Regando la tierra** (Motion picture) U. S. Institute of Inter-American Affairs, [illegible] Made by [illegible]
[illegible]

**Regeneration** (Filmstrip) U. S. Dept. of the Navy, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Rehabilitation of chronic neurological cases** (Motion picture) U. S. Veterans Administration, [illegible]
[illegible]

**Rehabilitation of military prisoners** (Motion picture) U. S. Dept. of the Army, [illegible] Released for public educational use, [illegible]
[illegible]

**Rehabilitation of the blind** (Motion picture) U. S. Dept. of State, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Rehabilitation: Voyage to recovery** (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Reinforced plastics: Inspection and quality control** (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible]
[illegible]

**Reinforced plastics, introduction** (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible]
[illegible]

**Reinforced plastics: Repair of single skin laminates** (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible]
[illegible]

**The reinforced rifle platoon in the attack of a built up area. Part 2: The attack** (Motion picture) U. S. Dept. of the Army, [illegible]
[illegible]

**Relative movement. Part 1: Relative movement and interception** (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Relative movement. Part 2:** [illegible] (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Relative movement. Part 3:** [illegible] (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Removal and replacement of main bearings** (Motion picture) U. S. Dept. of the Navy, [illegible] Made by [illegible] Released for public educational use through U. S. Office of Education, [illegible]
[illegible]

**Removal of an impacted mandibular** [illegible] (Motion picture) U. S. Dept. of the [illegible]
[illegible]

[illegible]

**Replacing oil cooler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* [illegible]
*Borrow from Navy. Buy from UWF.*

Report from America series
see
Air traffic
Automation
Farming
Home buying
How America shops
Immigrants
Old age: A generation of elders
Presidential conventions
Problems of leisure
Railroads
Roads and traffic
Small town newspaper
Smog: The Pittsburgh story
State capital

**Report of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1953.
[illegible] min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* Report of U. S. Navy operations during [illegible] including combat action in the Korean War.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Report on Aberdeen Proving Ground** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Illustrates the tests and experiments made on new military weapons at Aberdeen Proving Ground, Maryland. Prepared for use by U. S. Armed Forces personnel.
*Borrow from Army. Cleared for tv.*

**Reprise de l'étude d'un modèle pour fin de production en série** (*Motion picture*) U. S. Office of Education, 1945.
[illegible]
Order no. [illegible]
French version, prepared by [illegible]
*Buy from UWF.*

**Reproducers** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.
[illegible] fr., b&w, 35 mm.
Order no. [illegible]
*Summary:* [illegible]
*Borrow from Navy. Buy from UWF.*

Republicans strengthen the Nation at home and abroad
see American history I, Lecture 9. Republicans strengthen the Nation at home and abroad

**Repulsion-induction motor: General overhaul** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
[illegible] min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 6)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Summary:* How to check a repulsion-induction motor for electrical and mechanical faults; dismantle it; remove a damaged coil; wind and insulate a new coil; and assemble and lubricate the motor.
*Buy from UWF.*

**Repulsion-induction motor: General overhaul** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
[illegible] fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 6)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Repulsion motor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
[illegible] min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 7)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Explains construction of repulsion motor; rotor circuits and effect of brush position; short-circuiting and brush-lifting mechanisms; and applications of repulsion motors.
*Buy from UWF.*

**Repulsion motor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
[illegible] fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 7)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

Rescue operations; lifting devices, shoring
see ABC warfare defense ashore: Rescue operations; lifting devices, shoring

Rescue operations; rigging, breaching walls, tunneling
see ABC warfare defense ashore: Rescue operations; rigging, breaching walls, tunneling

**Rescue squad** (*Motion picture*) U. S. Dept. of State, 1952. Made by Bay State Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.
[illegible] min., sd., b&w, 16 mm.
*Summary:* Describes the work of a volunteer rescue squad ready at all times to render emergency assistance and first aid in case of accidents or disasters in the area. Shows some of the skills required of squad members and the squad at work at various types of emergencies. Prepared for overseas use.
*Buy from UWF.*

**Research and development** (*Motion picture*) U. S. Dept. of Defense, in cooperation with U. S. Dept. of the Air Force, 1950.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Shows how research and development programs carried on by industry and universities help to improve arms and materiel for the Armed Forces.
*Borrow from Army. Buy from UWF. Cleared for tv.*

Research for better living
see
Better living through research

**Research for tomorrow's aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

16 min., sd., color, 16 mm.

*Summary:* Visualizes and explains some of the research conducted by the NACA, in cooperation with the U. S. Dept. of Defense and aircraft and engine manufacturers. Includes sequences showing flight and wind tunnel research on high-speed airplanes, ramjet and turbojet engines, and aerodynamic heating.

*Borrow from NASA.*

**Resection of mandible for ameloblastoma** (*Motion picture*) U. S. Veterans Administration, 1955.

22 min., si. or sd. speed, color, 16 mm.

*Summary:* Shows a hemimandibulectomy for the treatment of a recurrent ameloblastoma. Points out that a previously constructed vitallium prosthesis, replacing the condyle, the ascending ramus, and the body of the mandible from the right second molar to the angle, was used to preserve symmetry and function of the jaw.

*Borrow from VA.*

**Reserve fleet activation, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Meridian Films Corp.

14 min., sd., b&w, 16 mm.

Order no. MN 6725-a.

*Summary:* An overall view of the procedure for activation of a U. S. Navy ship using a destroyer as an example. Shows the organization of the activation instruction (A/I) team and the activation details (A/D) team.

*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Reserve management in action** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

21 min., sd., color, 16 mm.

Order no. SFP 399.

*Summary:* Shows various ways in which management planning is effective in keeping the Air Reserve forces ready for combat.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**The reserve team** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

Order no. AFSR 109.

*Summary:* Stresses the need for a trained reserve force for defense; and explains how the Army is developing auxiliary defense organizations such as the National Guard, Organized Reserve Corps, Air Reserve Corps, and Reserve Officers Training Corps.

*Borrow from Army. Buy from UWF.*

**Reservoirs of recreation** (*Motion picture*) U. S. Army Engineers, 1959.

14 min., sd., color, 16 mm.

*Summary:* Describes the increasing use of the recreational areas around Corps of Engineers reservoirs in the Missouri River Division.

*Borrow from Eng. Cleared for tv.*

**Resist** (*Motion picture*) U. S. Dept. of the Army, 1959.

29 min., sd., b&w, 16 mm.

Order no. TF 30-2362.

*Summary:* Explains to military personnel the methods used by the enemy to indoctrinate POW's and the ways in which the captured soldier can resist communist collaboration. Point out ways in which the security-minded prisoner can resist efforts to make him betray himself, his comrades, and his country. Based on actual experiences of a prisoner of war in Korea.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Resistance welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

12 min., sd., b&w, 16 mm. (How to weld aluminum series)

Order no. 222.

*Summary:* Shows aluminum welds made under heat and pressure; two types of spot-welding machines; the use of carbon electrodes in high-speed resistance welding; tests for checking the size and strength of welds; and examples of sound and unsound welds.

*Borrow from BM. Cleared for tv.*

**Resistive exercises in physical therapy for thoracoplasty** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

26 min., sd., color, 16 mm.

*Summary:* Explains how the skeletal structure and muscle balance are affected by thoracic surgery; describes the deformities often resulting from thoracic surgery; and shows how such deformities can be minimized or corrected by posture, over-correction, and resistive exercises. For medical personnel.

*Borrow from VA. Buy from UWF.*

**Respiratory protection** (*Motion picture*) U. S. Navy Dept., 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

13 min., sd., b&w, 16 mm.

Order no. MN 1021-e.

*Summary:* Explains the importance of safety devices and describes various types of respiratory masks designed to protect workers from dust, fumes, and gases.

*Borrow from Navy.*

**Respiratory reflexes demonstrated in the rabbit** (*Motion picture*) U. S. Dept. of the Army, 1949.

13 min., sd., color, 16 mm.

Order no. PMF 5112.

*Summary:* Demonstrates some of the simpler respiratory reflexes and their pathways in the rabbit.

*Borrow from Army.*

**Restless river** (*Motion picture*) U. S. Army Engineers, 1957.

20 min., sd., color, 16 mm.

*Summary:* Presents the reasons for channel stabilization works on the Lower Mississippi River, the many methods attempted in the past, and operations used today in placing a flexible concrete mattress at troublesome spots on the banks of the river.

*Borrow from Eng. Cleared for tv.*

**Resuscitative care of the severely wounded** (*Motion picture*) U. S. Dept. of the Army, 1957.

24 min., sd., color, 16 mm.

Order no. TF 8-2198.

*Summary:* Describes first aid procedures and corrective surgery to revive severely wounded patients and to counteract injurious results of a wound. Includes arrest of hemorrhage; splinting of fractures; infusion of plasma; alleviation of pain, anxiety, and fear; transportation of wounded; careful pre-operative preparation; expeditious surgery; and diligent post-operative care.

*Borrow from Army. Buy from UWF.*

**Retailing fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

21 min., sd., color, 16 mm.

*Summary:* Shows and explains the layout and operation of a retail fish store, including the selection, handling, display, and selling of fresh and frozen fish.

*Borrow from FWS. Buy from UWF.*

**Retailing prepackaged produce** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

42 fr., b&w, 35 mm.

Order no. 691.

With lecture notes.

*Summary:* Shows methods used by retailers in handling, displaying, and merchandising prepackaged fruits and vegetables.

*Buy from PhotoLab.*

**The return of the zipper fleet** (*Motion picture*) U. S. Dept. of Defense, 1951.

17 min., sd., b&w, 16 mm.

Order no. AFSR 137.

*Summary:* Shows the reactivation and return to duty of vessels in the U. S. Navy's "mothball" fleet following the Communist invasion of South Korea.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**Revision and reamputation of the lower extremity** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., color, 16 mm. (Amputations series, no. 2)

Order no. MN 3429-b.

*Summary:* Demonstrates a Syme amputation; lower leg reamputation at the site of fracture; Stokes-Gritti amputation; and a revision and a secondary closure. For medical personnel.

*Borrow from Navy. Buy from UWF.*

**Revolt of a generation** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News.

20 min., sd., b&w, 16 mm. (Our times, no. 29)

*Summary:* Recounts the story of the Hungarian people from the imposition of Communist Party rule in 1948 through the 1956 revolt and Soviet intervention and repression. Shows demonstrations throughout the world condemning Soviet repression, and the exodus of refugees over the Austrian border. Prepared for overseas use.

*Buy from* UWF.

**Rhythm, speed, and accuracy in hand sending** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

12 min., sd., b&w, 16 mm. (Radio operator training series)

Order no. MN 2821–c.

*Summary:* Discusses sequence in rhythm and timing; points out that clear, distinct sending is essential in order to assure proper receiving at destination; compares several senders' ability by means of the recording tape.

*Borrow from* Navy. *Buy from* UWF.

**Rib stitching** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

20 min., sd., b&w, 16 mm.

Order no. MN 192.

*Summary:* Explains why and how to rib stitch fabric covered airplane wings; describes use of reinforcing tape, spacing of stitches, type of needle and cord used, knots for starting and typing of stitches, stitching to capstripe, and splicing.

*Borrow from* Navy. *Buy from* UWF.

**Richer range rewards** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

32 min., sd., color, 16 mm.

*Summary:* Shows the fundamentals of good range management in the western United States.

*Rent from* DA film libraries.

**Rickettsia—laboratory procedure for their isolation and identification** (*Motion picture*) U. S. Dept. of the Army, 1949.

47 min., sd., color, 16 mm.

Order no. PMF 5114.

*Summary:* Shows the step-by-step technique of laboratory diagnosis of rickettsial disease; compares gross pathology with normal pathology; emphasizes fundamentals of sterile technique in the handling of infected laboratory animals.

*Borrow from* Army.

**Rigging blocks** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

11 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)

Order no. MN 2340–h.

Supplementary filmstrip of same title also available.

*Summary:* Shows operation of tackle pulleys—whip, gun, luff, and two-fold purchase; and explains how mechanical advantage is obtained.

*Borrow from* Navy. *Buy from* UWF.

**Rigging blocks** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

57 fr., b&w, 35 mm. (Shipbuilding skills series. Rigging)

Order no. SN 2340–u.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**Rigging changes after flight** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

43 fr., b&w, 35 mm.

Order no. SN 1909.

*Summary:* Shows construction faults revealed by test flights; tail, wings, and nose heaviness; yawing; ground looping; and how to make corrections.

*Borrow from* Navy. *Buy from* UWF.

Rigging series
see Shipbuilding skills series. Rigging

**Right of way** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

7 min., sd., b&w, 16 mm.

*Summary:* Follows a troop train, a freight train, and a truck rushing to deliver men and supplies to a ship convoy in 1943; explains the reasons for transportation shortages in wartime.

*Buy from* UWF.

**Rigid and swinging staging** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)

Order no. MN 2340–c.

*Summary:* Shows how to set up rigid staging, use A-frame stage and extension, double boards overlapped, and a life line; how to rig swinging staging, using single width boards and life-lines; and how to take down staging and stow it.

*Borrow from* Navy. *Buy from* UWF.

**Rinderpest** (*Motion picture*) U. S. Dept. of Agriculture in collaboration with the Federal Civil Defense Administration and the Dept. of Defense, 1955.

18 min., sd., color, 16 mm.

*Summary:* A technical picture, designed for veterinarian training, describing the history and geographical distribution of rinderpest in cattle, sheep, and goats. Shows the lesions and pathological changes of organs and tissues affected, and outlines measures used to prevent its introduction into this country.

*Rent from* DA film libraries. *Cleared for tv.*

**Ring of steel** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

9 min., sd., b&w, 16 mm.

*Summary:* Historical summary and tribute to American soldiers from 1776 to 1942, forging a "ring of steel" around American democracy.

*Buy from* UWF.

Ring of steel
see also
Citizen in arms

**Rio de Janeiro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1945. Re-released for educational use in the United States through U. S. Office of Education, 1949.

17 min., sd., b&w, 16 mm.

*Summary:* Tourist view of the city of Rio de Janeiro.

*Buy from* UWF.

**Riot control formations. Part 1: Squad formations** (*Motion picture*) U. S. Dept. of the Army, 1957.

12 min., sd., b&w, 16 mm.

Order no. GF 19–30.

*Summary:* Explains that riot control formations are used to restore law and order and protect life and property. Demonstrates the wedge—to penetrate and split a crowd or mob; the echelon—to turn a mob; and the line—to hold a mob, push it back, or deny it access to an area. Designed for training military police personnel.

*Borrow from* Army.

**Riot control formations. Part 3: Vehicles and foot troops** (*Motion picture*) U. S. Dept. of the Army, 1958.

12 min., sd., b&w, 16 mm.

Order no. GF 19–32.

*Summary:* Describes the composition of riot control formations, their modifications when employing vehicles and troops against crowds and rioting mobs, and the protective measures and limitations to be considered.

*Borrow from* Army.

**Ripping and cross-cutting** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
19 min., sd., b&w, 16 mm. Precision wood machining series. Operations on the variety saw, no. 1)
Order no. OE 306.
Supplemented by filmstrip with same title.
With instructor's manual.
*Summary:* How each working part of the variety saw functions; how to check saw blades; set the fence; change saw blades; use a cutoff gage; and use a hinged block in crosscutting.
*Buy from* UWF.

**Ripping and cross-cutting** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.
43 fr., b&w, 35 mm. (Precision wood machining series. Operations on the variety saw, no. 1)
Order no. OE 306–fs.
Supplements the motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

Ripping and cross-cutting
see also
Sciage sur le long et sciage sur le travers

**The rise and fall of the Medfly** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
15 min., sd., color, 16 mm.
*Summary:* Dramatic presentation of a successful 19-month campaign to eradicate the Mediterranean fruit fly—the world's worst pest of citrus—found in Florida in 1956.
*Rent from* DA film libraries. *Buy from* DA.

The rise of modern industrial America
see American history I, lecture 18: The rise of modern industrial America

The rise of modern industrial America
see American history II, lecture 3: The rise of modern industrial America

**The river** (*Motion picture*) U. S. Dept. of Agriculture, 1939. Made by Pare Lorentz.
32 min., sd., b&w, 16 mm.
*Summary:* A documentary story of the Mississippi River. Traces the history of the Mississippi River and its tributaries; shows that the destruction of forests had led to erosion and the loss of soil, floods, and the loss of lives and property; and emphasizes the need for conservation and rehabilitation.
*Rent from* DA film libraries. *Buy from* UWF.

**River run** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
16 min., sd., color, 16 mm.
*Summary:* Shows the values of proper management of privately-owned forests, illustrated particularly by the continued productivity of the forests of the Machias River watershed in Maine, culminating each year in a log drive down the Machias River.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**River with a future** (*Motion picture*) U. S. Army Engineers, 1959.
14 min., sd., color, 16 mm.
*Summary:* Outlines the problems, present progress in solving those problems, and future possibilities of the comprehensive development of the Arkansas River. Animation is used to depict historical background and to locate various units of the projects.
*Borrow from* Eng.

**Rivers in miniature** (*Motion picture*) U. S. Army Engineers, 1954.
14 min., sd., color, 16 mm.
*Summary:* An account of the model of the Mississippi Basin, constructed by the Waterways Experiment Station near Jackson, Miss. Explains the part the model plays in coordinating various aspects of the Corps of Engineers program for development and control of water resources in the midcontinent. Shows the part the model played during the 1952 flood of the Missouri River by predicting accurately the crest stages which could be expected, thus enabling the establishment of appropriate measures for protection or evacuation.
*Borrow from* Eng. *Cleared for tv.*

**Road construction and maintenance in CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
Order no. FB 5–182.
*Summary:* Shows how U. S. Engineers overcame many obstacles in building roads over high mountains and through dense jungles in the China-Burma-India theater of operations during World War II.
*Borrow from* Army. *Buy from* UWF.

**Road expedients** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm. (Military roads series, no. 1)
Order no. TF 5–1193.
*Summary:* Demonstrates expedient methods of road construction in marshy and sandy soils; and shows the use of corduroy, wire mesh, and other materials in road construction.
*Borrow from* Army. *Buy from* UWF.

**Road to decision** (*Motion picture*) U. S. Veterans Administration, 1947.
30 min., sd., b&w, 16 mm.
*Summary:* Explains to disabled veterans the purpose, function, and value of the vocational counseling services of the Veterans Administration.
*Borrow from* VA.

Road to decision
see also
Day for decision

**Road to peace** (*Motion picture* ) U. S. Dept. of the Army, 1951. Made by Bill Sturm Studios. Released for public educational use through U. S. Office of Education, 1952.
9 min., sd., b&w, 16 mm.
*Summary:* Explains that the people of the East stand at a crossroads with one of two paths to follow—peace or war—and that the road to peace lies in the program of the United Nations. Prepared for use in occupied areas, particularly in Japan.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Road to reason** (*Motion picture*) U. S. Veterans Administration, 1951.
28 min., sd., b&w, 16 mm.
Revision, prepared for television, of 1950 film released under the title Activity for schizophrenia.
*Summary:* Explains phases of the treatment given mental patients in Veterans Administration hospitals.
*Borrow from* VA. *Cleared for tv.*

**Roads and traffic** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
30 min., sd., b&w, 16 mm. (Report from America, no. 1)
*Summary:* Describes problems of city and highway traffic in the United States, including those resulting from expanding suburban development; effects upon the American people; and the steps being taken to improve highway traffic conditions. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Roadside marketing** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Michigan and New York State Colleges of Agriculture, Massachusetts and New Jersey State Departments of Agriculture, and University of New Hampshire, 1939.
51 fr., b&w, 35 mm.
Order no. 273.
With lecture notes.
*Summary:* Shows several types of roadside stands, and explains how to make stands attractive by location, display, signs, and advertising.
*Buy from* PhotoLab.

**Roadside marketing in the Garden State** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.
36 double fr., color, 35 mm.
Order no. C–49.
With lecture notes.
*Summary:* Shows how fruits and vegetables are marketed directly to consumers in the Garden State (New Jersey) and illustrates the principles of location, displaying, advertising, and marketing.
*Buy from* PhotoLab.

**Rocket instrumentation** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
15 min., sd., b&w, 16 mm.
Order no. FB 9–231.
*Summary:* Shows the various methods and instruments used to track and record the speed, distance, and flight of rockets; and how the data recorded are used for improving rocket design and development.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Rodent control series
see
Area poisoning
Habits and characteristics of the rat: The Norway rat
Habits and characteristics of the rat: The roof rat
The Norway rat, habits and characteristics
Rat ectoparasite control
Rat killing
The rat problem
Ratproofing
The roof rat, habits and characteristics
Sanitation techniques in rat control

The role of government in the economic life of the country
see American history II, lecture 4: The role of government in the economic life of the country

**The role of the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.
25 min., sd., b&w, 16 mm.
Order no. MF 45–8586.
*Summary:* Explains the role and responsibilities of the U. S. Army in defending the security of the Nation, including fighting on the battlefield, restoring order after battle, and control of military prisoners of war and of civilians in occupied areas. Discusses the Army program of recruitment and training of men in the Regular Army and in Reserve and National Guard units.
*Borrow from* Army. *Buy from* UWF.

**The role of the chaplain in Civil Air Patrol** (*Filmstrip*) U. S. Civil Air Patrol, 1957.
53 fr., color, 35 mm. and disc: 1 s., 12 in., 33⅓ rpm, 14 min. microgroove.
*Summary:* Explains the duties and qualifications of Civil Air Patrol chaplains.
*Buy from* CAP.

**Role of the combat cameraman** (*Motion picture*) U. S. Dept. of Defense, 1952.
14 min., sd., b&w, 16 mm.
Order no. RTAF 141.
*Summary:* Explains and documents pictorially the role of the combat photographer from World War I to Korea. Shows that his pictures are a source of historical record, an asset to military intelligence, and an aid in training troops.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The role of the recruit company commander** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Audio Productions.
29 min., sd., b&w, 16 mm.
Order no. MN 6919–a.
*Summary:* Discusses the problem of stress experienced by new recruits in a training center, and its significance in relation to the leadership function performed by the recruit company commander. Designed to be used in group discussion with a psychiatrist or clinical psychologist as discussion moderator.
*Borrow from* Navy.

**Rolled earth dams** (*Motion picture*) U. S. Army Engineers, 1950.
25 min., sd., color, 16 mm.
*Summary:* Shows by animation the component parts of an earth dam and portrays the methods used by the U. S. Army Corps of Engineers in the construction of such dams.
*Borrow from* Eng. *Cleared for tv.*

**The roof rat, habits and characteristics** (*Motion picture*) U. S. Public Health Service, 1954.
8 min., sd., b&w, 16 mm. (Rodent control, no. 3)
Short version of the motion picture Habits and characteristics of the rat: The roof rat, produced in 1951 by U. S. Dept. of the Army and U. S. Public Health Service.
*Summary:* Explains and pictures the characteristics and habits of the roof rats—their climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rats can man control them.
*Borrow from* PHS. *Buy from* UWF.

The roof rat, habits and characteristics
see also
Habits and characteristics of the rat: The roof rat

Roosevelt and the New Deal
see American history II, lecture 17: Roosevelt and the New Deal

**Rosary of the missions** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Pictures of California. Released for public educational use in the United States through U. S. Office of Education, 1954.
18 min., sd., color, 16 mm.
*Summary:* Tells the story of the early founding of the chain of Spanish missions in California and the part played by Father Junípero Serra and other Franciscans in the work. Shows the restoration of the missions, their use today, and their contribution to art and architecture in America. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Rotating magnetic fields** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
13 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 2)
Order no. OE 384.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Explains a rotating magnetic field pattern; three-phase winding in a demonstration stator; factors that cause rotation of the magnetic field; and the construction of polyphase motors.
*Buy from* UWF.

**Rotating magnetic fields** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

44 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 2)

Order no. OE 384–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rough-facing, boring, and turning a shoulder** (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical boring mill, no. 2)

Order no. OE 17.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up a rough casting on a vertical turret lathe; face a flange and turn a shoulder with the sidehead turret; and face a flange and bore a hole with the vertical turret.

*Buy from* UWF.

**Rough-facing, boring, and turning a shoulder** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

47 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical boring mill, no. 2)

Order no. OE 17–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rough-facing, turning and drilling** (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

31 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical boring mill, no. 1)

Order no. OE 16.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to operate the controls of a vertical turret lathe; set up tools in the main turret head; rough-face and rough-turn an aluminum casting; and drill the center hole.

*Buy from* UWF.

**Rough-facing, turning and drilling** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

49 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical boring mill, no. 1)

Order no. OE 16–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rough grinding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

27 min., sd., b&w, 16 mm. (Optical craftsmanship series. Flat surfaces)

Order no. MN 2449–e.

*Summary:* Demonstrates procedures for grinding a flat optical surface by the hand method. Covers blocking of prisms to planoplate, procedures for hand grinding, cleaning of mill, inspection, measurement, deblocking, grinding of large pieces of optical glass, and edge grinding.

*Borrow from* Navy. *Buy from* UWF.

**Rough grinding** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

26 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 180.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Explains three methods of rough grinding lenses: by hand, pin-bar, and mechanical curvature generator; shows in detail how to hand grind a concave lens.

*Buy from* UWF.

**Rough grinding** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

56 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 180–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rough grinding by pin-bar** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

19 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 181.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to use job card; select and adjust grinding tool; use abrasive; perform the grinding operation; clean the grinding tool; and correct worn grinding tools.

*Buy from* UWF.

**Rough grinding by pin-bar** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

45 fr., b&w, 35 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. OE 181–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rough grinding with a curvature generator** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

15 min., sd., b&w, 16 mm. (Optical craftsmanship series. Spherical surfaces)

Order no. MN 2449–d.

*Summary:* Demonstrates rough grinding of spherical surfaces by the curvature generator process; illustrates theory, function, and operation of the curve generating diamond grinding wheel.

*Borrow from* Navy.

**Rough grinding with a vertical surface grinder** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

26 min., sd., b&w, 16 mm. (Optical craftsmanship series. Flat surfaces)

Order no. MN 2449–f.

*Summary:* Demonstrates machine grinding of flat surfaces to 1/10,000 inch tolerance and methods of blocking to grind all surfaces with a minimum of changes in position.

*Borrow from* Navy.

**Rough line-boring** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

19 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 5)

Order no. OE 229.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to install the boring bar and cutters; bore, counterbore, and spot-face holes; and reposition from one hole to another.

*Buy from* UWF.

**Rough line-boring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

31 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 5)

Order no. OE 229–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rough turning between centers** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 1)
Order no. OE 6.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to set up an engine lathe; operate the controls; grind clearances on cutting tools; and rough-turn round bar stock to a specified diameter.
*Buy from* UWF.

**Rough turning between centers** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 1)
Order no. OE 6–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Roughing-in nonmetallic sheathed cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
24 min., sd., b&w, 16 mm. (Electrical work series. Wiring (no. 3))
Order no. OE 373.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to determine the location of required runs; install an offset bar hanger and ceiling outlet box; rough-in a circuit run; and make up connections for switches, receptacles, and fixtures.
*Buy from* UWF.

**Roughing-in nonmetallic sheathed cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
41 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 3))
Order no. OE 373–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Roundup** (*Motion picture*) U. S. Dept. of Agriculture, 1960.
18 min., sd., color, 16 mm.
*Summary:* Portrays the story of the peacetime use of atomic energy to eradicate the screwworm and shows how Florida and other Southern States collaborated in the research and eradication program.
*Rent from* DA film libraries.

**Routine admission chest X-ray in general hospitals** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.
22 min., sd., b&w, 16 mm.
*Summary:* Advocates the installation of photofluorographic equipment in the admissions offices of general hospitals; demonstrates the operation of such equipment and the maintenance of patients' records; and explains how this system locates otherwise undetected cases of tuberculosis.
*Borrow from* PHS.

**Routine X-ray procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., color, 16 mm.
Order no. MN 2613.
*Summary:* Discusses X-ray procedure and the care of X-ray records; illustrates the preparation of forms, storage of films, and the preparation of film for interpretation by roentgenologist.
*Borrow from* Navy. *Buy from* UWF.

**The rubber dam in dentistry** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Byron, inc.
19 min., sd., color, 16 mm.
Order no. MN 9346.
*Summary:* Illustrates the use of the rubber dam in restorative dentistry and shows, in detail, techniques of its application.
*Borrow from* Navy. *Buy from* UWF.

**Rubber from oil** (*Motion picture*) U. S. Bureau of Mines in cooperation with Enjay Co., 1958. Made by Campus Film Productions.
30 min., sd., color, 16 mm.
Order no. 251.
*Summary:* Describes the discovery, testing, production, and uses of butyl rubber.
*Borrow from* BM. *Cleared for tv.*

**Rubber terrain models** (*Motion picture*) U. S. Navy Dept., 1946.
15 min., sd., color, 16 mm.
Order no. MN 1866.
*Summary:* Explains the value of terrain maps and demonstrates how rubber terrain maps are made.
*Borrow from* Navy.

**Rude star identifier** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.
57 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (Navigation series)
Order no. SN 83–t.
*Summary:* Explains how to use the star identification table; and demonstrates how to use template discs, establish local meridian, and find altitude and azimuth of Jupiter.
*Borrow from* Navy. *Buy from* UWF.

**Rules in fog** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
17 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202–v.
*Summary:* Explains when to use fog and danger signals, the meaning of fog signals under inland and international rules, and how to determine safe speed in fog.
*Borrow from* Navy. *Buy from* UWF.

**Rules of the nautical road: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.
22 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202–b.
Originally produced and released in 1942 as part of The Halifax incident, order no. MN 202–a.
*Summary:* Describes and illustrates by animation international rules of navigation, the importance of taking bearings, and selected nautical terms.
*Borrow from* Navy. *Buy from* UWF.

Rules of the nautical road series
see
The Beaver–Selja incident
City of Rome incident
Crossing at night
Crossing steam vessels
The Halifax incident
Lights, running and anchor
Lights, vessels being towed
Meeting at night
Meeting steam vessels
Overtaking at night
Overtaking situation
Rules in fog
Rules of the nautical road: Introduction
Special circumstances
Special lights
Special steering and sailing rules
The Svea–Newport incident
The Taurus–Gulf Trade incident
Towing lights
The Varanger–Dora Weems incident
Visual day signals
Whistle signals for approaching steam vessels

**Rules of the road, international: Restricted visibility situations** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.

10 min., sd., b&w, 16 mm.

Order no. MN 9302–g.

*Summary:* Shows what to do in situations when visibility is restricted.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Rules of the road, international: Special daytime situations** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Jam Handy Organization.

11 min., sd., color, 16 mm.

Order no. MN 9302–d.

*Summary:* Shows how to tell the status, occupation, or degree of maneuverability of vessels not in independent operation in daylight. Illustrates special signals to warn other vessels of a ship's situation, and explains in each instance the action to be taken by the observing ship. Includes situations of a ship at anchor, a vessel not under command, a vessel aground, one engaged in a special occupation, and one engaged in fishing.

*Borrow from* Navy. *Buy from* UWF.

**Rules of the road, international: Vessels crossing, daytime** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

21 min., sd., b&w, 16 mm.

Order no. MN 9302–b.

*Summary:* Shows what should be done when vessels cross in the daytime.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Rules of the road, international: Vessels overtaking, daytime** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

19 min., sd., b&w, 16 mm.

Order no. MN 9302–c.

*Summary:* Shows what should be done when vessels are overtaking in daytime, and stresses the obligation of all vessels in obeying the rule that the overtaking vessel must keep out of the way of the overtaken vessel. Explains what should be done when the rule is not observed and points out that the ordinary practice of seamen must apply in many borderline situations that arise on the seas.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Running a permanent line and boring** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

32 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 8. Laying out and installing stern tube, tail shaft, and propeller, no. 3)

Order no. OE 341.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to run the permanent line; establish reference marks on bulkhead, propeller post, and doubler ring; install and adjust the boring bar; and rough- and finish-bore propeller post and various bulkheads to specifications.

*Bul from* UWF.

**Running a permanent line and boring** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

58 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 8. Laying out and installing stern tube, tail shaft, and propeller, no. 3)

Order no. OE 341–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Running a temporary line** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

22 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine machinery installation, no. 6. Laying out and installing stern tube, tail shaft, and propeller, no. 1)

Order no. OE 100.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How the propeller post is prepared for running a temporary line; how to adjust a line to the center of bulkhead openings; eliminate the sag when a line has been run; and check a temporary line for proper position.

*Buy from* UWF.

**Running a temporary line** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

32 fr., b&w, 35 mm. (Shipbuilding skills series. Marine machinery installation, no. 6. Laying out and installing stern tube, tail shaft, and propeller, no. 1)

Order no. OE 100–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Rural colonial and early American homes and gardens** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

63 fr., b&w, 35 mm.

Order no. 331.

With lecture notes.

*Summary:* Exterior and interior scenes of American homes of interest because of their historic importance.

*Buy from* PhotoLab.

**Rural community defense** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Office of Civil and Defense Mobilization, 1959.

13 min., sd., b&w, 16 mm.

*Summary:* Describes how farm families can plan for survival in the event of enemy attack by developing community survival plans and by preparing to meet emergencies.

*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**The rural co-op** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Dept. of Agriculture, 1950, and U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

*Summary:* Explains how farmers in Rockingham County, Va., organized a rural cooperative, and shows some of the operations and benefits of this cooperative. Prepared for use in occupied areas.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Rural high school** (*Motion picture*) U. S. Dept. of State, 1951. Made by M. P. O. Productions. Released for educational use in the United States through the U. S. Office of Education, 1952.

18 min., sd., b&w, 16 mm.

*Summary:* Students in a large rural high school reply to a letter from foreign students and explain, via the film, their school and home life in America. Includes scenes of the school, classes, social activities, and students' homes. Prepared for overseas use.

*Buy from* UWF.

**Rural rat control** (*Motion picture*) U. S. Public Health Service, 1951.

16 min., sd., b&w, 16 mm.

Order no. 4–116.

*Summary:* Explains how a farmer who understands rat habits can free his farm of rats through ratproofing buildings and food sources, burying garbage in a one-man land fill, and using approved poisons.

*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Rural women** (*Motion picture*) U. S. Dept. of State, 1951. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education, 1954.

54 min., sd., b&w., 16 mm.

*Summary:* Depicts the life of American farm women. Centers around three families, explaining the role of rural clubs where women learn ways to lighten household work, better their families, and participate in community affairs. Locale: Iowa. Prepared for overseas use.

*Buy from* UWF.

**Rx attitude** (*Motion picture*) U. S. Veterans Administration, 1952.

18 min., sd., b&w, 16 mm.

*Summary:* Stresses the importance of attitudes exhibited by hospital personnel toward mental patients, and portrays the effects of such attitudes upon patients in a Veterans Administration mental hospital. Primarily for the information and training of hospital personnel.

*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

# S

**SCAP CI&E information centers** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

20 min., sd., b&w, 16 mm.

*Summary:* Shows the various functions and facilities of the civilian information and education centers operated in Japan by the Supreme Commander, Allied Powers, including the public library center, recreation rooms, hobby shops, etc. Prepared for use in occupied areas, particularly in Japan.

*Buy from* UWF.

**Sacrifice: Sentimental journey** (*Motion picture*) U. S. Dept. of the Army, 1958.

8 min., sd., b&w, 16 mm.

Order no. TF 16–2516.

*Summary:* Dramatized story illustrating the concept of sacrifice. Made for use by Army chaplains.

*Borrow from* Army.

**Safe driving in bad weather. Part 1: Light vehicles** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

17 min., sd., b&w, 16 mm.

Order no. TF 1–5013.

*Summary:* Shows driving hazards in rain, snow, and on ice, and demonstrates how to overcome them.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Safe driving in bad weather. Part 2: Trucks and tractor-trailers** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

16 min., sd., b&w, 16 mm.

Order no. TF 1–5013.

*Summary:* Explains the importance of knowing your vehicle, driving according to road conditions, using bad-weather equipment furnished with a truck, and always being on the alert.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Safe driving in Europe** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

15 min., sd., b&w, 16 mm.

Order no. SFP 529.

*Summary:* Demonstrates the principles of safe driving, and explains traffic regulations which servicemen should observe while driving in the countries they visit.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Safe practices in handling DDT** (*Filmstrip*) U. S. Public Health Service, 1945.

37 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 5 min.

Order no. 5–005.

*Summary:* Explains the hazards of handling DDT, and precautions to be followed in using DDT in the home.

*Borrow from* PHS.

**Safe practices in the hoisting of material** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

82 fr., b&w, 35 mm.

Order no. FS 1–545.

*Summary:* Discusses the construction and types of wire rope cable; how to seize it; how to use slings; right and wrong ways of clipping wire cable; the capacities of different wire ropes; hand signals used in hoisting; use and care of manila ropes; and procedures to follow for safe hoisting.

*Borrow from* AF.

**Safe tuberculosis nursing** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

21 min., sd., b&w, 16 mm

*Summary:* Emphasizes the importance of asepsis in the nursing care of tuberculosis patients, and shows preventive measures to be used by nurses and hospital personnel.

*Borrow from* VA. *Buy from* UWF.

**Safeguarding military information** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

16 min., sd., b&w, 16 mm.

Order no. TF 30–1523.

*Summary:* Stresses the importance of safeguarding military information for both military and civilian personnel.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Safety experiments with a boiling reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1956.

20 min., sd., b&w, 16 mm.

*Summary:* Records a series of safety experiments with a prototype boiling water reactor consisting of a pressure vessel containing an assembly of uranium-bearing plates submerged in water plus a control mechanism. After showing a number of reactor excursions, some of which expel the water from the reactor, the film shows the deliberate destruction of the reactor assembly, when the reactor is allowed to "run away."

*Borrow from* AEC. *Cleared for tv.*

**Safety for sure** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

11 min., sd., color, 16 mm.

*Summary:* Features a chalk talk by Forest Service artist Harry Rossoll. Points out the sure way to safety and the four key points to be taught on any job: size up the situation, use your Safety code and follow instructions; protect your fellow workers; and establish an alternate plan.

*Rent from* DA film libraries. *Cleared for tv.*

**Safety for welders** (*Motion picture*) U. S. Navy Dept., 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

7 min., sd., b&w, 16 mm.

Order no. MN 1921–g.

*Summary:* Demonstrates protective clothing and equipment for welders in order to prevent eye injuries, skin burns, and metal fume poisoning.

*Borrow from* Navy.

**Safety in air stations** (*Motion picture*) U. S. Navy Dept., 1944. Made by Roland Reed Productions. Released for public educational use through U. S. Office of Education, 1947.

13 min., sd., b&w, 16 mm.

Order no. MN 1921–b.

*Summary:* Explains that accidents can be prevented by sensible application of safety rules and shows several examples of accidents caused by carelessness.

*Borrow from* Navy.

**Safety in navy yards** (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

15 min., sd., b&w, 16 mm.

Order no. MN 1921–a.

*Summary:* Explains the dangers of not wearing safety shoes, helmets, goggles, etc., and stresses the importance of following safety rules.

*Borrow from* Navy.

**Safety in offices** (*Motion picture*) U. S. Navy Dept., 1944. Made by Carey Weston. Released for public educational use through U. S. Office of Education, 1948.

10 min., sd., b&w, 16 mm.

Order no. MN 1921–d.

*Summary:* Illustrates common office accidents and their causes.

*Borrow from* Navy.

**Safety in the shop** (*Motion picture*) U. S. Office of Education, 1944. Made by Century Productions.

12 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 481.

With instructor's manual.

*Summary:* Dramatizes three typical shop accidents and shows how poor supervision or inadequate training may have been the real cause behind these "accidents."

*Buy from* UWF.

**Safety measures in tuberculosis laboratories** (*Filmstrip*) U. S. Public Health Service, 1951.
[illegible]

**Safety on-the-job at sea** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.
[illegible]

**Safety on the water** (*Motion picture*) U. S. Coast Guard, 1951.
[illegible]

**Safety practices for the motor vehicle driver—non-military driving** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1945.
[illegible]

**Safety precautions for electronics personnel** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Hal Roach Productions. Released for public educational use through U. S. Office of Education, 1951.
[illegible]

**Saga of the USS Franklin** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by General Film Productions Corp.
[illegible]

**Sailmaking series**
see Shipbuilding skills series. Sailmaking

**Salud para las Américas**
see
El cuerpo humano
El cuidado del niño
La enfermedad se propaga
Es fácil comer bien
Qué es enfermedad?
Saneamiento del ambiente
La tuberculosis

**Sam'l and social security** (*Motion picture*) U. S. Social Security Administration, 1949. Made by [illegible]
[illegible]

**Sampling and testing drinking water** (*Filmstrip*) U. S. Public Health Service, 1950.
[illegible]

**Sampling raw milk** (*Motion picture*) U. S. Public Health Service, 1950.
[illegible]

**San Francisco: 1945** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for nontheatrical use in the United States through U. S. Office of Education, 1946.
[illegible]

**San Pietro** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1946.
[illegible]

**Sand bag revetting** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by [illegible]. Released for public educational use through U. S. Office of Education, 1945.
[illegible]

**Sandfly control** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
[illegible]

**Sanding flat and irregular surfaces** (*Motion picture*) U. S. Office of Education, 1944. Made by [illegible] Productions.
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

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[illegible]

[illegible]

[illegible]

**Schistosomiasis mansoni study films series**
see
Australorbis glabratus, vector of Schistosoma mansoni
Egg and miracidia of Schistosoma mansoni
The pathology of schistosomiasis
Schistosomes in the primary host
The setting of endemic schistosomiasis in Puerto Rico
Sporocysts and cercariae of Schistosoma mansoni

**Schistosomiasis—snail fever** (*Motion picture*) U. S. War Dept., 1945.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
Summary: Discusses the cause of schistosomiasis and indicates preventive measures.
Service from Army.

**The school** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.
[illegible] min., sd., b&w, 16 mm. (Other lands series)
Summary: Shows one day's activities in an elementary school—the janitor opening the building, the children on their way to school, the first grade studying and playing, a P. T. A. meeting in the evening.
Buy from UWF.

**School bus operation series**
see Automotive series. School bus operation

**School films series**
see
Erosion
Soil and water conservation
Topsoil
Water

**School of the sky** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
[illegible] min., sd., color, 16 mm.
Order no. [illegible]
Summary: A tour of the U. S. Air Force Academy. Describes a cadet's life at the academy, including his academic and physical training, his academic courses, his field trips [illegible]
Service from AF. Buy from UWF. Cleared for tv.

**School of the south** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
[illegible] min., sd., b&w, 16 mm.
Summary: Shows the schools of [illegible] American countries.
Buy from UWF.

**Sciage avec gabarit et changement de volume** (*Motion picture*) U. S. Office of Education, 1951.
[illegible] min., sd., b&w, 16 mm. (Travail précis du bois. Travail à la scie à ruban, no. [illegible])
Order no. [illegible]
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1942 with title [illegible]
Buy from UWF.

**Sciage d'une gorge et d'une boîte à [illegible]** (*Motion picture*) U. S. Office of Education, 1951.
[illegible] min., sd., b&w, 16 mm. (Travail précis du bois. Travail à la scie circulaire, no. [illegible])
Order no. [illegible]
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1942 with title Cutting [illegible]
Buy from UWF.

**Sciage sur le long et sciage sur le travers** (*Motion picture*) U. S. Office of Education, 1951.
[illegible] min., sd., b&w, 16 mm. (Travail précis du bois. Travail à la scie circulaire, no. 1)
Order no. [illegible]
French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1942 with title Ripping and crosscutting.
Buy from UWF.

**Sciatic pain and the intervertebral disk** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1949.
[illegible] min., sd., color, 16 mm.
Order no. [illegible]
Summary: Explains symptoms and treatment of functional and organic rupturing of the spine in the lower lumbar region, especially at the intervertebral disk. For medical personnel.
Service from Navy. Buy from UWF.

**Science against cancer**
see The fight: Science against cancer

**Science and the Signal Corps** (*Motion picture*) U. S. Dept. of the Army, 1955.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
Summary: Outlines the importance of the Signal Corps in modern war, and the development of modern equipment through engineering research.
Service from Army. Buy from UWF. Cleared for tv.

**Scope report** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.
[illegible] frames, color, 35 mm.
Order no. [illegible]
Summary: Describes the scope and responsibility of the Cooperative Extension Service today. Includes a pictorial review of the 1958 report of a subcommittee to the Extension Committee on Organization and Policy.
Buy from Photolab.

**Scrapie** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration and California Dept. of Agriculture, 1958.
[illegible] min., sd., color, 16 mm.
Summary: Reviews the history of scrapie, and illustrates its key symptoms, methods of diagnosis and ways of combatting this disease of sheep.
Rent from [illegible]

**Scraping flat surfaces** (*Motion picture*) U. S. Office of Education, 1945. Made by Top Hall Films.
[illegible] min., sd., b&w, 16 mm. (Machine shop work series. Bench work, no. 3)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: How surface plates are used to check the flatness of surfaces; types of scrapers; how to remove high spots and to determine when a surface is scraped flat.
Buy from UWF.

**Scraping flat surfaces** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.
[illegible] fr., b&w, 35 mm. (Machine shop work series. Bench work, no. 3)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
Buy from UWF.

**Screws and plates** (*Motion picture*) U. S. Veterans Administration, 1949.
6 min., sd., b&w, 16 mm. (Light mechanics series, no. 2)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to use tweezers and jeweler's screwdrivers in assembly and disassembly operations involving fine craftsmanship.
*Borrow from VA. Buy from UWF.*

**The scroll** (*Motion picture*) U. S. Information Agency, 1956. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1957.
11 min., sd., color, 16 mm.
*Summary:* Chinese-American artist Dong Kingman reports his impressions of the countries he visited as a participant in the cultural exchange program. Includes sketches of Japan, Korea, Formosa, Thailand, the Philippines, Hong Kong, Malaya, India, Turkey, Austria, Norway, England, and Ireland. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**The sea lamprey**
see Great Lakes Invader: The sea lamprey

**Sea power for peace** (*Motion picture*) U. S. Dept. of the Navy, 1948.
9 min., sd., b&w, 16 mm.
Order no. MN [illegible]
*Summary:* Gives an overall picture of the functions and operations (in 1948) of the U. S. Navy.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Sea power in the Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1950.
30 min., sd., b&w, 16 mm.
Order no. MN [illegible]
*Summary:* Traces the history and depicts the role of American sea power in the Pacific during World War II.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Sea power: Supply, the lifeblood of sea power** (*Motion picture*) U. S. Dept. of the Navy, 1958.
[illegible] min., sd., color, 16 mm.
Order no. MN [illegible]
*Summary:* Portrays the story of the Supply Corps. Shows the organization and methods of operation of the corps and advanced methods used in the inventorying, stocking, and distribution of supplies. Emphasizes the transfer of supplies at sea and the mobility of the units afloat.
*Borrow from Navy. Cleared for tv.*

**Sea power: The Sixth Fleet, force for peace** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Reid H. Ray Film Industries.
[illegible] min., sd., color, 16 mm.
Order no. MN [illegible]
*Summary:* Shows the Sixth Fleet patrolling the Mediterranean, and illustrates the role of the officers and enlisted personnel as ambassadors of good will and keepers of the peace in a troubled area.
*Borrow from Navy. Cleared for tv.*

**Seabees [illegible]** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
[illegible] min., sd., b&w, 16 mm.
Order no. MN [illegible]
*Summary:* Reviews the work and accomplishments of the Seabees in World War II.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Seabees can do [illegible]** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Cascade Pictures.
[illegible] min., sd., b&w, 16 mm.
Order no. MN [illegible]
*Summary:* Reviews the work of Seabees in World War II; explains the need for similar personnel today; the skills that are needed; and the training that is offered.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Seabees in the Antarctic: Base construction and equipment operation** (*Motion picture*) U. S. Dept. of the Navy, 1958.
19 min., sd., color, 16 mm.
Order no. MN 8085-a.
*Summary:* Describes the activities of the Seabees in the Antarctic during Operation Deep Freeze II; portrays some of the difficulties encountered and shows how they were overcome.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The Seabees: They came to an island** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Pathescope Company of America.
40 min., sd., b&w, 16 mm.
Order no. MN 5684.
*Summary:* Picturization of Seabee activities in World War II.
*Borrow from Navy.*

**Seapower for freedom** (*Motion picture*) U. S. Dept. of the Navy, 1953.
29 min., sd., b&w, 16 mm.
Order no. MN 7898.
*Summary:* Explains the formation, composition, and command relationships of SACLANT (Office of Supreme Allied Commander, Atlantic) and shows a typical joint exercise.
*Borrow from Navy. Cleared for tv.*

**Search and rescue boat handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., color, 16 mm. (Search and rescue series. Standardization of crew training for search and rescue craft)
Order no. MG 5381-b.
*Summary:* Shows how the crew of a U. S. Coast Guard boat rescues an injured man from a plane forced down offshore, then tows the plane into harbor.
*Buy from UWF. Cleared for tv.*

**Search and rescue series**
see
Operation of ocean station vessels during search and rescue

**Search and rescue series. Ocean station vessel crew training in search and rescue**
see
Search patterns
Towing a disabled plane
Training in operation plans between the ocean station vessel and a ditching plane
Transfer of a patient at sea
Use of special electronic and visual search aids
Weather duties

**Search and rescue series. Standardization of crew training for search and rescue craft**
see
Search and rescue boat handling
Survivor recovery and handling
Use of radio and visual signaling devices

**Search patterns** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
[illegible] min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG [illegible]
*Summary:* Shows how a U. S. Coast Guard ocean station vessel uses an "expanding search pattern," and an SAR plane an aerial "ladder pattern," to locate the survivors of a ditched plane.
*Borrow from CG. Buy from UWF. Cleared for tv.*

**Secondary survey, control points, and hydrographic developments** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.

18 min., sd., color, 16 mm. (Hydrographic surveying operations of the Navy series)

Order no. MN 6755-b.

*Summary:* Describes secondary signals building, sounding and wire dragging operations, tide and current observations, photogrammetric compilation, magnetic observations, and other miscellaneous survey work.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Secondary uses of the astro-compass** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

25 fr., b&w, 35 mm. (Aerial navigation series)

Order no. FS 1-422.

*Summary:* Describes how the astro-compass is used to determine deviation correction using the astrograph, to steer a required heading, and to identify a star.

*Borrow from* AF.

**Sectional views and projections, finish marks** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

15 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 4)

Order no. OE 54.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Dimension, center, cross-section, and object lines; projection of a sectional view; uses of finish marks; and meanings of standard cross-section lines.

*Buy from* UWF.

**Sectional views and projections, finish marks** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

29 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 4)

Order no. OE 54-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Security and refueling with safety** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

31 min., sd., b&w, 16 mm. (Fundamentals of petrol plane handling series)

Order no. MN 1338-a.

*Summary:* Explains precautions to be observed in refueling and oiling a plane both at and away from its base; and shows the procedure for securing a plane on shore.

*Borrow from* Navy. *Buy from* UWF.

**Security control: You never can tell** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1951.

26 min., sd., b&w, 16 mm.

Order no. MN 6947.

*Summary:* Explains the elements of security by following a naval security officer through the offices, laboratory, and production plant of a manufacturer producing a classified device for the U. S. Navy.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Security through seapower** (*Motion picture*) U. S. Dept. of the Navy, 1958.

20 min., sd., color, 16 mm.

Order no. MN 8864.

*Summary:* Depicts present naval capabilities by showing attack carrier operations, missile launching aircraft, air to air refueling by BJY, missile launching submarine, nuclear powered submarine, guided missile cruiser, and some ASW weapons.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Seizure: The medical treatment and social problems of epilepsy** (*Motion picture*) U. S. Veterans Administration, 1951.

48 min., sd., b&w, 16 mm.

*Summary:* Explains the diagnostic and therapeutic treatment of epilepsy through a dramatized story of an epileptic veteran, the background of his condition, and his treatment in a Veterans Administration hospital. Describes the physiological basis of epilepsy, clinical manifestations of common types of seizures, and socio-economic problems facing an epileptic.

*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

**Selecting and judging breeding hogs** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

31 fr., b&w, 35 mm.

Order no. 142.

With lecture notes.

*Summary:* Shows how to score various parts of lard- and bacon-type hogs. Illustrates good and bad points of each type.

*Buy from* PhotoLab.

**[Selecting hens for egg production]** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

5 min., sd., b&w, 16 mm.

*Summary:* Explains the principles and importance of selecting "producers" among laying hens; shows desirable and undesirable birds and the best culling practices. Prepared primarily for television.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Selecting hens for egg production** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

55 fr., b&w, 35 mm.

Order no. 126.

With lecture notes.

*Summary:* How to recognize the laying hen; how molting and bleaching index egg production; and how to improve flock by selective breeding.

*Buy from* PhotoLab.

**Selecting meals for all occasions** (*Filmstrip*) U. S. Public Health Service, 1950.

52 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 11)

Order no. 5-151.

*Summary:* Shows how a diabetic person can select the right foods to eat in different situations; and explains how to use the "meal plan" and "exchange lists" in planning meals, when the patient is ill, taking lunch to work, going on a picnic, eating at a friend's home, and eating in a restaurant.

*Borrow from* PHS. *Buy from* UWF.

**Selecting your Christmas tree** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

7 min., sd., b&w, 16 mm.

Revision of 1953 film with the same title.

*Summary:* Shows how to select a Christmas tree, and the proper care of it in the home. For television use.

*Borrow from* DA-MPS. *Cleared for tv.*

**Selection of fruits and vegetables** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

16 min., sd., color, 16 mm.

*Summary:* Recommends three points for consumers to consider in shopping for fruits and vegetables—need, quality, and price. Using lettuce, carrots, celery, cabbage, citrus and other fruits as examples, shows the points of good "buymanship."

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Self-control** (*Motion picture*) U. S. Dept. of the Army, 1958.

11 min., sd., b&w, 16 mm.

Order no. TF 16-2313.

*Summary:* Dramatized story illustrating the concept of self-control. Made for use by Army chaplains.

*Borrow from* Army.

**Self-elevating spud type barge** (*Motion picture*) U. S. Army Engineers, 1954.
13 min., sd., color, 16 mm.
*Summary:* Shows by animation the operation of a self-elevating spud-type barge, and the behavior of the barge under varying conditions of wind and waves at Hampton Roads.
*Borrow from* Eng. *Cleared for tv.*

**Self-preservation in an atomic bomb attack** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1951.
10 min., sd., b&w, 16 mm.
Order no. AFSR 128.
*Summary:* Explains individual methods of self-preservation in an A-bomb attack; how Army, Navy, and Air Force servicemen protect themselves in three common situations; methods of protection for air or underwater explosions; and shows the relative effects of blast, heat, and radiation. Produced under the supervision of the Armed Forces Special Weapons Project.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Self-sealing fuel cells: Fitting replacement** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
17 min., sd., b&w, 16 mm.
Order no. MN 4318–e.
*Summary:* Explains how to locate, remove, and replace a damaged fitting; shows the tools, materials, and equipment necessary.
*Borrow from* Navy. *Buy from* UWF.

**Self-sealing fuel cells: Installation, maintenance, and inspection** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., b&w, 16 mm.
Order no. MN 4318–c.
*Summary:* Preflight, fuel strainer, capacity, and visual interior inspections; how the cell is removed from a plane; inspected; and a new one installed after specified period of use.
*Borrow from* Navy. *Buy from* UWF.

**Self-sealing fuel cells: Manufacture and usage** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
10 min., sd., b&w, 16 mm.
Order no. MN 4318–a.
*Summary:* Manufacture of a self-sealing fuel cell: cutting, fitting, and shellacking of cardboard cell; fitting rubber layer; applying nylon, sealant, retainer, and buna inner lining; vulcanizing; and jig testing.
*Borrow from* Navy. *Buy from* UWF.

**Self-sealing fuel cells: Packing, stowage and handling** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
5 min., sd., b&w, 16 mm.
Order no. MN 4318–b.
*Summary:* Describes how to unpack, store, crate, and stack self-sealing fuel cells; construct a crate for a cell; pad and store it.
*Borrow from* Navy. *Buy from* UWF.

**Self-sealing fuel cells: Repairs** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm.
Order no. MN 4318–d.
*Summary:* Demonstrates how to make a side and corner repair on a self-sealing fuel tank and how to repair split seams and blisters.
*Borrow from* Navy. *Buy from* UWF.

**Semiautomatic and hand molding of intricate parts** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
16 min., sd., b&w, 16 mm. (Plastics series, no. 6)
Order no. OE 471.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mold a part with undercuts; mold a part with complicated shape; and assemble and disassemble a hand mold.
*Buy from* UWF.

**Semiautomatic and hand molding of intricate parts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
40 fr., b&w, 35 mm. (Plastics series, no. 6)
Order no. OE 471–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**La semilla de oro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.
11 min., sd., color, 16 mm.
Spanish version of The grain that built a hemisphere.
*Summary:* Traces the history of corn and its importance in the development of civilization; and describes its uses today.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The sensitive altimeter: General use** (*Motion picture*) U. S. Army Air Forces, 1942.
18 min., sd., b&w, 16 mm.
Order no. TF 1–517.
*Summary:* Demonstrates use of the sensitive altimeter, including reading of the instrument, the standard atmosphere, importance of proper altimeter setting, the zero setting system, and temperature errors.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Sensitive drill series
see Machine shop work series. Operations on the drill press. Sensitive drill

**Sentinels in the air** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., b&w, 16 mm.
Order no. SFP 481.
*Summary:* Emphasizes the role that U. S. Air Force Reservists play in the defense of their country, and shows activities at Air Reserve centers and flying centers.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Sentries of the sea lanes** (*Motion picture*) U. S. Coast Guard, 1954.
28 min., sd., color, 16 mm.
*Summary:* Shows how the Coast Guard operates and maintains the 22,000 buoys that mark the coastal and inland waterways of the United States and its outlying possessions.
*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

**Sgt. MacDuff, salesman** (*Motion picture*) U. S. Dept. of the Army, 1955.
19 min., sd., b&w, 16 mm.
Order no. MF 20–8410.
*Summary:* Presents four steps for recruitment of men into the Army: understanding the job, finding the prospect, understanding the prospect's motives, and presenting the Army's selling points that appeal to the prospect's motives. An animated film, for U. S. Army recruiters.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Series and parallel circuits** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

8 min., sd., b&w, 16 mm. (Radio technician training series. Elementary electricity)

Order no. MN 1540–v.

Supplemented by filmstrip with the same title.

*Summary:* Illustrates series and parallel circuits, explaining current flow and voltage drop across each lamp.

*Borrow from* Navy. *Buy from* UWF.

**Series and parallel circuits** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

26 fr., b&w, 35 mm. (Radio technician training series. Elementary electricity)

Order no. SN 1540–av.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**Serological technique: Venipuncture** (*Motion picture*) U. S. Dept. of the Navy, 1954.

7 min., sd., color, 16 mm. (Medical laboratory techniques series)

Order no. MN 8875–c.

*Summary:* Demonstrates how to take a blood sample from the arm.

*Borrow from* Navy. *Buy from* UWF.

**Service plus** (*Motion picture*) U. S. Dept. of Defense, 1950.

19 min., sd., b&w, 16 mm.

Order no. AFIF 4.

*Summary:* Dramatizes integrity as the keynote of character in the modern serviceman, and emphasizes the moral qualities to be observed by servicemen.

*Borrow from* Army. *Cleared for tv.*

**Service to the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1956.

14 min., sd., b&w, 16 mm.

Order no. MN 8079.

*Summary:* Describes how the U. S. Navy is supplied by the service forces for continuous operations at sea, and shows mobile logistic support in action.

*Borrow from* Navy. *Buy from* UWF.

**Service to those who served** (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

16 min., sd., color, 16 mm.

A revision of the 1946 motion picture of the same title.

*Summary:* Portrays and explains the overall activities and services of the U. S. Veterans Administration, including insurance, claims, hospitals, and rehabilitation.

*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

**Service with distinction** (*Motion picture*) U. S. Public Health Service, 1956.

11 min., sd., color, 16 mm.

Order no. FG 217.

*Summary:* Describes the activities of the U. S. Public Health Service, reviews its achievements, and explains the opportunities for professional careers in the commissioned corps and commissioned reserve.

*Borrow from* PHS.

**Servicing a propeller** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

18 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 277.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to inspect and remove a propeller; repair damage to the metal edges; check and correct for out-of-track and for out-of-balance; and reinstall the propeller.

*Buy from* UWF.

**Servicing a propeller** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

52 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 277–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Servicing an airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

17 min., sd., b&w, 16 mm. (Aircraft work series. Preventive maintenance)

Order no. OE 279.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to perform the various routine servicing operations on a light airplane including cleaning an airplane, refueling, changing oil, inflating tires, and starting the engine.

*Buy from* UWF.

**Servicing an airplane** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

43 fr., b&w, 35 mm. (Aircraft work series. Preventive maintenance)

Order no. OE 279–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Servicing and timing magnetos** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

16 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 266.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to remove magnetos from the engine; install and adjust new points; and reinstall and time the magnetos.

*Buy from* UWF.

**Servicing and timing magnetos** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

40 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 266–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Servicing hydraulic systems** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

51 fr., b&w, 35 mm.

Order no. SN 2000.

*Summary:* Demonstrates the principles, construction, and operation of the hydraulic system of an airplane. Stresses servicing procedures.

*Borrow from* Navy. *Buy from* UWF.

**Servicing spark plugs and ignition wiring** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

22 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 265.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to remove the spark plugs and ignition wires; clean, inspect, and adjust spark plugs; prepare new ignition wires; and reinstall the spark plugs and ignition wires.

*Buy from* UWF.

**Servicing spark plugs and ignition wiring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

50 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)

Order no. OE 265–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Servicing water-cooled condensers** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

12 min., sd., b&w, 16 mm. (Refrigeration service series. Commercial systems, no. 4)

Order no. OE 451.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Theory of a counter-flow condenser; essential elements of a water-cooled system; and operation of the electric water valve and how to regulate it.

*Buy from* UWF.

**Servicing water cooled condensers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

37 fr., b&w, 35 mm. (Refrigeration service series. Commercial systems, no. 4)

Order no. OE 451–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Serving food** (*Motion picture*) U. S. Public Health Service, 1954.

11 min., sd., color, 16 mm.

Order no. M 148–f.

*Summary:* Portrays the hiring of a waitress and shows the orientation and induction training given to her by a restaurant hostess, including instruction in the proper storage of cups, dishes, and glasses; cleanliness; correct ways of clearing tables; protecting the waitress's health; safeguarding against disease; and the development of satisfactory personal habits by food service personnel.

*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Serving the merchant marine** (*Motion picture*) U. S. Coast Guard, 1944.

28 min., sd., b&w, 16 mm.

*Summary:* Shows how the U. S. Coast Guard helped protect the U. S. Merchant Marine during World War II. Includes scenes of the war against U-boats, and of the rescue of torpedoed ship survivors.

*Borrow from* CG.

**Serving the nation** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

16 min., sd., b&w, 16 mm.

Order no. AFIF 7.

*Summary:* Explains the armed forces' activities in peacetime, role in local disasters, and contributions of research activities.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The setting of endemic schistosomiasis in Puerto Rico** (*Motion picture*) U. S. Public Health Service, 1948.

4 min., si, b&w, 16 mm. (Schistosomiasis mansoni study films)

Order no. 4–065.

*Summary:* Illustrates three characteristic infection patterns of endemic schistosomiasis in Puerto Rico: pollution of a river, a brook, and sugar cane irrigation ditches by inadequate sewage disposal systems.

*Borrow from* PHS.

**Setting up and machining bar stock** (*Motion picture*) U. S. Office of Education, 1945. Made by Industrial Film Guild.

34 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 4)

Order no. OE 215.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up the turret lathe for the production machining of bushings from bar stock; install the collet; set up the hexagon turret and the cross slide; and machine bar stock.

*Buy from* UWF.

**Setting up and machining bar stock** (*Filmstrip*) U. S. Office of Education, 1945. Made by Industrial Film Guild.

58 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 4)

Order no. OE 215–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Setup for face milling with a fixture** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 1)

Order no. OE 225.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How the horizontal boring, drilling, and milling machine operates; how to install the fixture; set up the workpiece; select and install an end mill and a face mill.

*Buy from* UWF.

**Setup for face milling with a fixture** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

37 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 1)

Order no. OE 225–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Setup for rough line-boring** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 4)

Order no. OE 228.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to position the workpiece on the table; position the spindle for horizontal centers and for vertical centers.

*Buy from* UWF.

**Setup for rough line-boring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

35 fr., b&w, 35 mm. (Machine shop work series. Operations on the horizontal boring mill, no. 4)

Order no. OE 228–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Seven letters** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

19 min., sd., color, 16 mm.

Order no. SFP 357.

*Summary:* Portrays a jet pilot who is nearing the close of his Air Force tour of duty and must choose between a civilian or Air Force career. He reaches a decision as he realizes the real purpose of his job as an Air Force pilot.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Seventh Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949.

22 min., sd., b&w, 16 mm. (Pride of outfit series)

Order no. MF 45–7533.

*Summary:* Shows the training of the 7th Infantry Division at Ft. Ord, Calif.; action of the Division in four major campaigns—Attu, Leyte, Kwajalein, and Okinawa; and occupational duties in Korea.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The sextant** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

44 fr., b&w, 35 mm. (Piloting series)

Order no. SCG 136–g, formerly SG 3883–g.

*Summary:* Explains the use of the standard sextant and its differences from the micrometer sextant; and demonstrates the procedure for measuring the altitude of the sun.

*Buy from* UWF.

**The sextant, surface** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

32 min., sd., b&w, 16 mm. (Navigation series)

Order no. MN 83–i.

*Summary:* Demonstrates the proper procedure for handling the sextant and making observations.

*Borrow from* Navy. *Buy from* UWF.

**Shackles for the giant** (*Motion picture*) U. S. Army Engineers, 1956.

25 min., sd., color, 16 mm.

Revision of the 1951 motion picture of the same title.

*Summary:* Shows the development and details of the present flood-control plan in the lower alluvial valley of the Mississippi River.

*Borrow from* Eng. *Cleared for tv.*

**Shades of gray** (*Motion picture*) U. S. Dept. of the Army, 1948.

66 min., sd., b&w, 16 mm.

Order no. PMF 5047.

*Summary:* Portrays through dramatized situations and case histories various mental disorders experienced by soldiers during training and combat ranging from mild anxiety states to severe depressive reactions and paranoid psychoses; traces the life patterns of each affected soldier and relates his early familial and environmental experiences to the circumstances which precipitate his mental breakdown; demonstrates methods of psychotherapy, including emotional catharsis, narcoanalysis, hypnotic suggestions, and group therapy; and makes the point that in terms of mental health, no one is either "black" or "white"; everyone is a "shade of gray."

*Borrow from* Army. *Buy from* UWF.

Shallow water diving
see Deep sea diving: Shallow water diving

**The shaper** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

15 min., sd., b&w, 16 mm. (Machine shop work series. Basic machines)

Order no. OE 70.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Functions, characteristics, and basic operations of the shaper.

*Buy from* UWF.

**The shaper** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

57 fr., b&w, 35 mm. (Machine tools series)

Order no. FS 1-7.

*Summary:* Explains the nomenclature, practical uses, and operation of the shaper.

*Borrow from* AF. *Buy from* UWF.

**The shaper** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

40 fr., b&w, 35 mm. (Machine shop work series. Basic machines)

Order no. OE 70-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Shaping after template and shaping curved edges** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the spindle shaper, no. 2)

Order no. OE 319.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to make a template for the job; install knives in the spindle; use the template when smoothing squared edges; set up equipment for shaping a curved edge; and shape a curved edge.

*Buy from* UWF.

**Shaping after template and shaping curved edges** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

39 fr., b&w, 35 mm. (Precision wood machining series. Operations on the spindle shaper, no. 2)

Order no. OE 319-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Share a proud tradition** (*Motion picture*) U. S. Marine Corps, 1958. Made by Pathescope Co. of America.

15 min., sd., b&w, 16 mm.

Order no. MH 8485.

*Summary:* Describes the training program, various duty assignments, types of uniforms, and the religious, recreational, educational and social opportunities available to women marines.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Sharpening a form relieved cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

18 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 5)

Order no. OE 93.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* What constitutes the rake angle and the clearance angle of the form relieved cutter; how to mount the correct attachment; set up for spotting the back of the teeth; and grind the face of the teeth.

*Buy from* UWF.

**Sharpening a form relieved cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

27 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 5)

Order no. OE 93-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Sharpening a plain helical milling cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

16 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 2)

Order no. OE 91.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to mount the helical cutter on an arbor; sharpen the secondary clearance angle; and check and adjust for taper when grinding the primary clearance angle.

*Buy from* UWF.

**Sharpening a plain helical milling cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

41 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 2)

Order no. OE 91-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Sharpening a shell end mill** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 3)

Order no. OE 92.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to select the correct arbor; mount the work head; adjust the work head for clearance settings; and set up for sharpening the outside diameter, corner, and face.

*Buy from* UWF.

**Sharpening a shell end mill** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

25 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 3)

Order no. OE 92-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Sharpening a side milling cutter** (*Motion picture*) U. S. Office of Education. 1944. Made by Emerson Yorke Studio.

23 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 1)
Order no. OE 90.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to identify the parts of a cutter; select and mount the correct grinding wheel; mount the cutter; set up the grinder for sharpening; set the correct clearance angle; and check for width of land.
*Buy from* UWF.

**Sharpening a side milling cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

59 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 1)
Order no. OE 90–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Sharpening an angular cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

15 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the cutter grinder, no. 4)
Order no. OE 94.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to choose the correct grinding wheel; adjust the swivel table for grinding the angular teeth of the cutter; adjust for clearance angle; and check the teeth for accuracy of the angle.
*Buy from* UWF.

**Sharpening an angular cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

31 fr., b&w, 35 mm. (Machine shop work series. Operations on the cutter grinder, no. 4)
Order no. OE 94–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Sharpening and tempering farm tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

17 min., sd., b&w, 16 mm. (Farm work series. Forging, no. 3)
Order no. OE 193.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to heat carbon steel tools for forge sharpening; sharpen, harden, and temper a plowshare and a cultivator shovel; and identify tempering colors.
*Buy from* UWF.

**Sharpening and tempering farm tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

34 fr., b&w, 35 mm. (Farm work series. Forging, no. 3)
Order no. OE 193–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Sharpening hand gravers** (*Motion picture*) U. S. Veterans Administration, 1949.

5 min., sd., b&w, 16 mm. (Light mechanics series, no. 1)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to sharpen a hand graver on an oil stone and then on an Arkansas stone.
*Borrow from* VA. *Buy from* UWF.

**Sharpening jewelers' screwdrivers and tweezers** (*Motion picture*) U. S. Veterans Administration, 1949.

6 min., sd., b&w, 16 mm. (Light mechanics series, no. 4)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to sharpen a jeweler's screwdriver on an oil stone and how to loosen, square, and sharpen tweezers.
*Borrow from* VA. *Buy from* UWF.

**A sharper sword and a stronger shield** (*Motion picture*) U. S. Dept. of the Army, 1959.

43 min., sd., b&w, 16 mm.
Order no. MF 20–9040a.
*Summary:* Shows the new type Army weapons, both nuclear and conventional; describes developments in air and ground equipment; and discusses firepower, mobility, communications and surveillance, and support. Contains an introduction by Major General H. P. Storke, Chief of Information, Department of the Army.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Sheep shearing** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

21 min., sd., b&w, 16 mm. (Farm work series. Livestock, no. 1)
Order no. OE 199.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to handle sheep for shearing; shear the sheep step-by-step; and roll and tie the fleece.
*Buy from* UWF.

**Sheep shearing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

52 fr., b&w, 35 mm. (Farm work series. Livestock, no. 1)
Order no. OE 199–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The sheet bend** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

3 min., sd., b&w, 16 mm.
Order no. MCG 301, formerly MG 2317–a.
Supplementary filmstrip of same title also available.
*Summary:* Explains that the sheet bend is a variation of the square knot and shows the procedure for tying it properly.
*Buy from* UWF.

**The sheet bend** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

25 fr., b&w, 35 mm.
Order no. SCG 301, formerly SG 2317–b.
Supplements motion picture of same title.
*Summary:* Repeats three times the three steps used in tying the sheet bend.
*Buy from* UWF.

Sheetmetal work series
see Shipbuilding skills series. Sheetmetal work

**Shell egg grading** (*Filmstrip*) U. S. Dept. of the Army, 1956.

52 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 22 min.
Order no. SFS 8–195.
*Summary:* Describes 8 grades of shell eggs (AA, A, B, C, check, dirty, leaker, and loss) and the grading factors (shell, air cell, white, and yolk) Defines the requirements of each factor, illustrating the identifying features of each grading gauge from the highest to the poorest quality. Also illustrates quality characteristics of cooked eggs.
*Borrow from* Army.

**Shell mounds in the Tennessee Valley** (*Motion picture*) U. S. Tennessee Valley Authority, 1937.

21 min., si., b&w, 16 mm.
*Summary:* Shows the prehistoric shell mounds found in excavation of the Pickwick Landing Dam area.
*Borrow from* TVA. *Buy from* TVA. *Cleared for tv.*

Shellfish sanitation series
see
The production and processing of oysters

**Shield against invasion** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
14 min., sd., color, 16 mm.
Order no. SFP 623.
*Summary:* Emphasizes the necessity of constantly evaluating the effectiveness of our aircraft and weapons and shows how these evaluations are accomplished.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Shine the boot** (*Motion picture*) U. S. Coast Guard, 1956.
13 min., sd., color, 16 mm.
*Summary:* A public information film showing activities of recruits during their first three months' training at the U. S. Coast Guard Receiving Center, Cape May, N. J.
*Borrow from* CG. *Cleared for tv.*

**Ship design for tomorrow** (*Motion picture*) U. S. Dept. of the Navy, 1959.
25 min., sd., color, 16 mm.
Order no. MN 8610.
*Summary:* Explains the professional opportunities, career advantages, and working environment in the U. S. Navy's Bureau of Ships and in its field activities.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Shipboard helicopter operations: Functions** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.
8 min., sd., color, 16 mm.
Order no. MN 7410–b.
*Summary:* Discusses the principal missions of the helicopter aboard ship: as plane guard, in rescues and during mail transfers.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Shipboard helicopter operations: Landing and take-offs** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.
7 min., sd., color, 16 mm.
Order no. MN 7410–a.
*Summary:* Shows procedures to be followed in helicopter landings and take-offs during shipboard operations.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Shipboard inspection by medical department personnel: Food preparation** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
25 min., sd., b&w, 16 mm.
Order no. MN 8238–d.
*Summary:* Shows how to make an inspection of the various areas of possible contamination in the preparation of food aboard ship. Discusses sanitary equipment and spaces, sanitary personnel, and sanitary work habits. Designed primarily for use of medical officers and hospital corpsmen.
*Borrow from* Navy.

**Shipboard inspection by medical department personnel: Food serving** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
13 min., sd., b&w, 16 mm.
Order no. MN 8238–e.
*Summary:* Shows how to make an inspection of such food-serving areas as the messing areas, serving line, and the scullery. Designed primarily for use of medical officers and hospital corpsmen.
*Borrow from* Navy.

**Shipboard inspection by medical department personnel: Food storage** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
12 min., sd., b&w, 16 mm.
Order no. MN 8238–c.
*Summary:* Shows how to make a sanitary inspection of the storage of food aboard ship. Covers such subjects as cleanliness, air circulation, temperature, and stowage. Designed primarily for use of medical officers and Navy hospital corpsmen.
*Borrow from* Navy.

**Shipboard inspection by medical department personnel: Living and working spaces** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
20 min., sd., b&w, 16 mm.
Order no. MN 8238–b.
*Summary:* Shows what and how to inspect in order to insure good conditions of sanitation, ventilation, lighting, and safety in the living and working spaces of a ship. Points out the need for tact and judgment in personnel relations. Designed primarily for use of medical officers and Navy hospital corpsmen.
*Borrow from* Navy.

**Shipboard inspection by medical department personnel: Water supply** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.
21 min., sd., b&w, 16 mm.
Order no. MN 8238–a.
*Summary:* Shows how and where to inspect a ship's fresh-water supply at the points of possible contamination; demonstrates a procedure for chlorination. Designed primarily for use by medical officers and Navy hospital corpsmen.
*Borrow from* Navy.

**Shipboard pest control** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Depicto Films Corp.
30 min., sd., b&w, 16 mm.
Order no. MN 8722.
*Summary:* Presents the essential points of an effective pest control program and summarizes the methods of pest destruction. Reviews the important considerations in fumigating, trapping, bait-poisoning, and dusting. Also presents in detail the principles and techniques of space and residual spraying.
*Borrow from* Navy.

Shipboard training series
see
Learning by doing

**Shipboard vibrations. Part 1: Fundamental principles of vibrating systems** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
22 min., sd., b&w, 16 mm.
Order no. MN 9180–a.
*Summary:* Explains basic concepts and principles including longitudinal and torsional vibrations, free and forced vibrations, the time relationship between the force cycle and the amplitude cycle, and the phase angle diagram.
*Borrow from* Navy. *Buy from* UWF.

**Shipboard vibrations. Part 2: Multi-mass systems** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
23 min., sd., b&w, 16 mm.
Order no. MN 9180–b.
*Summary:* Explains basic concepts including those of a uniform system, a lumped system, modes of vibration, relative amplitudes, harmonic analysis, orders of vibration, and critical speeds.
*Borrow from* Navy. *Buy from* UWF.

**Shipboard vibrations. Part 3: Vibration, excitation, and response** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
15 min., sd., b&w, 16 mm.
Order no. MN 9180–c.
*Summary:* Shows, through models, vibration excitation in the propulsion machinery due to unbalance and to propeller thrust variation and the response of the ship's structure to this excitation; explains through vector representation how propeller thrust variation provides excitation; and demonstrates the necessity for taking vibrations into account in ship design.
*Borrow from* Navy. *Buy from* UWF.

**Shipboard vibrations. Part 4: Service problems and field investigation** (Motion picture) U. S. Dept. of the Navy, 1951. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.
[illegible]
[illegible]
Summary: [illegible]
[illegible]

**Shipbuilders of Essex** (Motion picture) U. S. Dept. of State, 1945. Made by Joseph Krumgold. Released for educational use in the United States through U. S. Office of Education, 1951.
[illegible]
Summary: [illegible]
Buy from UWF.

Shipbuilding skills series
see
The blacksmith: Calculating and bending rings and links
The blacksmith: Calculating and forging a deck socket wrench
The coppersmith: Flaring and reducing
The coppersmith: Working out branches from a line
Docking with keel and bilge blocks
Establishing construction lines, part 1
Establishing construction lines, part 2
Preparation for docking with keel and bilge blocks
Preparation for stern launching, EC2-S-C1 class
Reconditioning a cylinder with a portable boring bar
Ship's blueprints: Basic
Stern launching, EC2-S-C1 class

Shipbuilding skills series. Coppersmithing
see
Bending copper tubing to a wire template
Brazing flanges with silver solder
Brazing flanges with spelter
Tinning and solder wiping

Shipbuilding skills series. Marine electricity
see
Identifying and precutting cable
Installing and connecting telltale panel
Laying out and installing compartment fixtures
Laying out and installing kickpipes and stuffing tubes
Laying out and installing main wireway
Pulling and installing cable and packing terminal tubes
Wiring telltale panel

Shipbuilding skills series. Marine machinery installation
see
Aligning and installing auxiliary machinery
Fitting and installing chocks
Fitting tube, shaft, and propeller
How to chock and surface foundations
Installing valves and strainer on sea chest
Laying off bulkheads
Laying out, drilling, and tapping flanges on sea chest
Running a permanent line and boring
Running a temporary line

Shipbuilding skills series. Nomenclature of ships
see
Fundamental lines and sections
Location of decks and compartments

Shipbuilding skills series. Outside machinist
see
Milling a foundation
Reciprocating pump opening for inspection

Shipbuilding skills series. Pipe insulation
see
Covering hot and cold pipes

Shipbuilding skills series. Pipefitting
see
Cutting and threading pipe by hand
Cutting and threading pipe on a power machine
Installing valves in engine room systems, part 1
Installing valves in engine room systems, part 2
Installing vitreous fixtures
Laying out and installing hangers
Making a cold bend on a hand powered machine
Measuring pipe, tubing, and fittings
Pipe fabrication with jigs

Shipbuilding skills series. Pipefitting (U. S. Navy Dept.)
see
Fitting and installing a section of pipe aboard ship
Making a hot bend
Making a wire template
Removing a section of piping aboard ship

Shipbuilding skills series. Preparation for stern launching
see
Fitting and installing packing
Fore poppets and internal shoring construction
Ground ways
Placing sliding ways

**Shipbuilding skills series. Rigging**
see
Rigging blocks
[illegible]
Rigging tools
Use and care of fiber rope
Use and care of wire rope
Wire rope terminal connections

**Shipbuilding skills series. [illegible]**
see
[illegible], Part 1. Measuring and drawing
[illegible], Part 2. Layout
[illegible], Part 3. [illegible] and finishing
[illegible]

**Shipbuilding skills series. Structural work**
see
[illegible]: [illegible] and fabrication
[illegible]: Layout and fabrication
[illegible], Part 1. Layout and fabrication
[illegible], Part 2. Assembly

**Shipbuilding skills series. The shipfitter**
see
Lifting templates for a foundation
Simple foundation, Part 1. Layout
Simple foundation, Part 2. Fabrication and [illegible]
Simple foundation, Part 3. Assembly and installation

**Shipbuilding skills series. Work of shipfitter and shipwright**
see
The bulkhead: Laying off and fitting a centerline stiffener
The bulkhead: Laying off the boundary, stiffeners, centerlines, and cutout lines
The bulkhead: Making a temporary watertight bulkhead into the hull
Deck girders: Subassembly
Deck plates: Regulating and setting
The deck: Making a web frame and transverse beam
Superstructure sections: Subassembly of a closed floor; subassembly of an open floor
The superstructure: Setting up floors and longitudinals
Preparing and setting a [illegible] and [illegible]
Side frames: Subassembly of a web frame

**The shipfitter series**
see Shipbuilding skills series. The shipfitter

**Shipment of household goods** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

**Shipment to Germany** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by U. S. Dept. of the Army.
[illegible]

**[illegible]** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

**[illegible]** (*Filmstrip*) U. S. Dept. of the Navy, [illegible]. Made by [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

**Ships, men and us** (*Motion picture*) U. S. Dept. of the Navy, [illegible].
[illegible]

**Ship's organization** (*Motion picture*) U. S. Coast Guard, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

**Ship's propulsion transmission system: Clutches and couplings** (*Filmstrip*) U. S. Dept. of the Navy, [illegible]. Made by [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

[illegible]

[illegible]

**A simple way to iron a shirt** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New York Extension Service, 1948.
[illegible]

**Simplified serologic identification of Salmonella cultures** (*Filmstrip*) U. S. Public Health Service, 1951.
[illegible]

**Simplified serologic identification of Shigella cultures** (*Filmstrip*) U. S. Public Health Service, 1951.
[illegible]

**[illegible]** (*Motion picture*) U. S. Dept. of the Air Force, [illegible]
[illegible]

**Single-phase and polyphase circuits** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
[illegible]

**Single-phase and polyphase circuits** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
[illegible]

**Single point cutting tools series**
see **Machine shop work series. Single point cutting tools**

**Single cam vertical surface broaching** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
[illegible]

**Single cam vertical surface broaching** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
[illegible]

**The Sixth Fleet** (*Motion picture*) U. S. Dept. of the Navy, [illegible]
[illegible]

**Sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1945. Released for public educational use through U. S. Office of Education, 1945.
[illegible]

**Skeletal fixation by the Stader splint, fractures of the [illegible]** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Da Frees. Released for public educational use through U. S. Office of Education, 1946.
[illegible]

**Skeletal fixation by the Stader splint, fractures of the [illegible]** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Da Frees. Released for public educational use through U. S. Office of Education, 1946.
[illegible]

**Ski [illegible]** (*Motion picture*) U. S. Dept. of the Navy, [illegible]
[illegible]

**Ski safety** (*Motion picture*) U. S. War Dept., 1945.
[illegible]

**Ski safety: First aid and emergency repair of equipment** (*Motion picture*) U. S. War Dept., 1945.
[illegible]

**Sky dancers of Papantla** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Re-released for educational use in the United States through U. S. Office of Education, 1949.

11 min., sd., color, 16 mm. (Mexican fiestas series, no. [illegible])

*Summary:* Dance of the Voladores depicting the celebration of Corpus Christi at Papantla; typical dance depicting the struggle between good and evil.

*Buy from UWF.*

**The sky is no limit** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

18 min., sd., b&w, 16 mm.

Order no. [illegible]

*Summary:* Scenes at Holloman Air Force Base Missile Test Center showing the planning and preparation for launching the Aerobee rocket. Explains the uses of the rocket for gathering meteorological data.

*Borrow from AF. Cleared for tv.*

**The sky is the limit** (*Motion picture*) U. S. War Dept., 1945.

22 min., sd., color, 16 mm.

Order no. [illegible]

*Summary:* Shows the rehabilitation of an above-the-knee amputee. Compares the working techniques of an individual with two normal extremities with those of an amputee.

*Borrow from Army.*

**Skyknight** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

16 min., sd., color, 16 mm.

Order no. [illegible]

*Summary:* Presents the story of the Marine Corps personnel responsible for arming, servicing, and maintaining the F3D Douglas Skyknight, and shows the operation of a ground control intercept squadron.

*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The skysweeper: Emplacement and march order** (*Motion picture*) U. S. Dept. of the Army, 1954.

14 min., sd., b&w, 16 mm.

Order no. [illegible]

*Summary:* Demonstrates the steps to be followed in emplacing the "skysweeper," a medium range anti-aircraft gun, and in preparing it for travel.

*Borrow from Army. Buy from UWF. Cleared for tv.*

The slavery issue leads to Southern secession
see *American history I, lecture 16: The slavery issue leads to Southern secession*

**Slide rule operation and application. Part 1: Solving special basic problems** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

48 fr., b&w, 35 mm.

Order no. [illegible]

*Summary:* Demonstrates the use of the slide rule in finding the squares, cubes, square roots, and cube roots of numbers, the area and circumference of a circle, the reciprocals of numbers, and the products of three factors.

*Borrow from CAA.*

**The slide rule: Proportion, percentage, squares, and square roots** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

21 min., sd., b&w, 16 mm. (*Engineering series*)

Order no. [illegible]

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to use the "C" and "D" scales of the slide rule to calculate proportions and percentages; how to read the "A" and "B" scales; and how to calculate squares and square roots.

*Buy from UWF.*

**The slide rule: Proportion, percentage, squares, and square roots** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

[illegible] fr., b&w, 35 mm. (*Engineering series*)

Order no. [illegible]

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**The slide rule: The "C" and "D" scales** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

24 min., sd., b&w, 16 mm. (Engineering series)

Order no. [illegible]

Supplemented by filmstrip with same title.

With instructor's manual.

*Summary:* Purpose of the slide rule; parts of the rule; how to use the "C" and "D" scales in the multiplication and division of numbers.

*Buy from UWF.*

**The slide rule: The "C" and "D" scales** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

[illegible] fr., b&w, 35 mm. (*Engineering series*)

Order no. [illegible]

With instructor's manual. Supplements motion picture of same title.

*Buy from UWF.*

**Slinging load** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1945.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)

Order no. [illegible]

*Summary:* Shows how to rig and use slings to handle various types of loads, and explains safety precautions to be observed.

*Borrow from Navy. Buy from UWF.*

**Slow-motion study of fuel injection and combustion in a Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

[illegible] min., si., b&w, 16 mm.

Order no. [illegible]

With [illegible]

*Summary:* Presents slow-motion pictures of injection and combustion of fuel in a compression-ignition engine cylinder, taken at high speed (40,000 frames per second) with the NACA high-speed camera. Visual aspects of compression-ignition engine knock are compared with those of spark-ignition engine knock. For use by technical personnel.

*Borrow from NACA.*

**Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

[illegible] min., si., b&w, 16 mm.

Order no. [illegible]

With [illegible]

*Summary:* Shows through high-speed pictures ([illegible] photographs per second) the manner in which the fuel-air charge within the combustion chamber [illegible] spark-ignition engine. [illegible] a spark-ignition engine.

*Borrow from NACA.*

**Slow-speed flight characteristics of swept-wing aircraft** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Cascade Films.

18 min., sd., b&w, 16 mm.

Order no. [illegible]

*Summary:* Shows how slow-speed flight affects the flow of air over swept-wing aircraft and how a stall originates at the wing tips instead of at the wing roots as in conventional wing aircraft.

*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Small boat disaster prevention** (*Motion picture*) U. S. Dept. of the Navy, 1951.
13 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Demonstrates the swamping of a motor whale boat and the procedures to be followed by the officers, crew, and passengers in the event of such an accident.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Small business and the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1952.
20 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Mr. Jones and Mr. Smith, two small-business men, [illegible] the right and wrong ways to go about getting a Government contract. Suggests that small-business men make use of the booklet, [illegible]
*Borrow from AF. Cleared for tv.*

Small milk plant operation series
see
Cleaning equipment and containers
Milk processing
You and your job

**The small sawmill** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
20 min., sd., color, 16 mm.
*Summary:* Designed to stimulate the interest of owners and operators of small sawmills in more efficient production and in better quality of lumber. Shows the transformation of an unproductive sawmill into an efficient one.
*Rent from [illegible] film libraries. Buy from UWF. Cleared for tv.*

**Small town editor** (*Motion picture*) U. S. Dept. of State, 1952. Made by Media Productions. Released for public educational use in the United States through U. S. Office of Education, 1958.
18 min., sd., b&w, 16 mm.
*Summary:* Story of a small town newspaper editor and his place in the community. Contrasts his operation with that of a big city newspaper, emphasizes friendly relationships with townspeople, and points up the principles of a free press. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Small town library** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Kling Studios. Released for public educational use through U. S. Office of Education, 1952.
10 min., sd., b&w, 16 mm.
*Summary:* Explains the benefits and [illegible] of the operations of a public library in a small town, particularly the [illegible] of books not owned by the small library from the library of a big city nearby. Prepared for use in occupied areas.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Small town newspaper** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1959.
[illegible] min., sd., b&w, 16 mm. (Report from America, no. [illegible])
*Summary:* Describes the activities and services of a small town newspaper, [illegible], as representative of democratic principles and procedures. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

Small water treatment plants series
see
Filtration plants

**Smallpox vaccination** (*Filmstrip*) U. S. Dept. of the Army, 1947.
77 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min.
Order no. [illegible]
*Summary:* Discusses the hazards of smallpox to army personnel in the tropics and primitive areas. Shows etiology and clinical pictures of the disease, storing of vaccine, techniques of vaccination, and control measures.
*Borrow from Army.*

**Smog: The Pittsburgh story** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
[illegible] min., sd., b&w, 16 mm. (Report from America, no. [illegible])
*Summary:* Describes how the citizens of Pittsburgh and of Allegheny County rid the air of smoke and smog. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Smoke study of nozzle secondary flows in a low-speed turbine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.
[illegible] min., sd., b&w, 16 mm.
*Summary:* Visualizes, by means of smoke, boundary layer and wake secondary flow phenomena in the nozzle passages of a low-speed turbine, using two annular cascades of turbine nozzles designed for constant discharge angle [illegible] blade shape and suction-surface velocity distribution. Shows cross-channel flows, radial flow patterns, and [illegible] vortex formation at low air speed [illegible]. Also shows the effect of a downstream rotor on nozzle secondary flows. A second film for technical personnel, to be used with NACA Technical note [illegible]: Smoke study of nozzle secondary flows in a low-speed turbine.
*Borrow from NACA.*

**Smokejumper training: Part 1: Indoctrination** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
[illegible] min., sd., color, 16 mm.
Included, in condensed form, in the 1949 film Smokejumpers.
*Summary:* Explains to a group of U. S. Forest Service trainees [illegible] the general principles and uses of parachutes and [illegible] equipment.
*Rent from [illegible] film libraries.*

**Smokejumper training. Part 2: Ground training** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
[illegible] min., sd., color, 16 mm.
Included, in condensed form, in the 1949 film Smokejumpers.
*Summary:* Demonstrates the physical conditioning preparation [illegible] necessary for jump training; and shows how trainees get accustomed to [illegible].
*Rent from [illegible] film libraries.*

**Smokejumper training. Part 3: Jump training** (*Motion picture*) U. S. Dept. of Agriculture, 1947.
[illegible] min., sd., color, 16 mm.
Included, in condensed form, in the 1949 film Smokejumpers.
*Summary:* Demonstrates the techniques of practice jumping from planes and fighting [illegible] fires.
*Rent from [illegible] film libraries.*

**Smokejumpers** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
[illegible] min., sd., color, 16 mm.
Condensed version of three films released in 1947 under title Smokejumper training.
*Summary:* Shows the smokejumpers, parachute fire fighters of the U. S. Forest Service—their training and equipment, parachuting into roadless areas, and fighting forest fires.
*Rent from [illegible] film libraries. Buy from UWF. Cleared for tv.*

**Smokey Bear forest fire prevention series**
see
Alouette
Break your match
Camping
Don't blame lightning
Fire and flood
Flipper returns
Forest blessings
Forest care
Forest disaster
Forest friends
It's up to you
Junior ranger
Lonesome road
Obey the fire laws
Once upon a time
Smokey haunts Flipper
Smokey warns Flipper
Smokey's flood story
Trees
Trees take time
Use your ashtray

**Smokey haunts Flipper** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
5 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 4, no. 3)
*Summary:* An animated cartoon in which Smokey Bear haunts Jack-the-Flipper as he almost forgets to put out his campfire. For television use.
*Rent from DA film libraries. Cleared for tv.*

**Smokey the bear** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
3 min., sd., b&w, 16 mm.
*Summary:* A group of boys on a camping trip are reminded of their responsibility in helping to keep fire out of the forest, and sing with Eddy Arnold a song entitled Smokey the bear. Prepared primarily for television.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Smokey warns Flipper** (*Motion picture*) U. S. Dept. of Agriculture, 1955.
5 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 4, no. 1)
*Summary:* An animated cartoon in which Smokey Bear warns Jack-the-Flipper not to throw matches or cigarettes into the woods. For television use.
*Rent from DA film libraries. Cleared for tv.*

**Smokey's flood story** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
1 min., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 1)
*Summary:* An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.
*Rent from DA film libraries. Buy from DA. Cleared for tv.*

**Snake bite kit, cutter, in plastic carrying case** (*Filmstrip*) U. S. Dept. of the Army, 1953.
[illegible] fr., b&w, 35 mm. and disc: 1 s., 10 in., 33⅓ rpm, [illegible] min.
[illegible]
*Summary:* Explains how to recognize a poisonous snake bite and illustrates the components of the kit and their application in the treatment of snake bite, including [illegible] suction [illegible]
*Borrow from Army.*

**Snow harvest** (*Motion picture*) U. S. Dept. of Agriculture, 1946.
24 min., sd., color, 16 mm.
*Summary:* Shows how the winter snowfall in the mountains of the western United States is measured as a basis for the prediction of the next summer's water supply.
*Rent from DA film libraries. Buy from UWF.*

**Snow ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
20 min., sd., color, 16 mm.
*Summary:* Show snow rangers of the U. S. Forest Service work with the National Ski Patrol for the enjoyment and safety of winter-sports enthusiasts. Portrays skiing facilities in the national forests, and shows how skiers are safe-guarded.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Snow survey** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
6 min., sd., b&w, 16 mm.
*Summary:* Shows the technique for measuring depth of snow and for the calculation of predictions of summer stream flow and floods. For television use.
*Borrow from DA-SCS. Buy from DA. Cleared for tv.*

**Sniffy, Smokey Bear's pal** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
1 min., sd., color, 16 mm.
*Summary:* Animated cartoon portraying a cocker spaniel assisting Smokey Bear in fire prevention.
*Rent from DA film libraries. Buy from DA. Cleared for tv.*

**Social adjustment for the aphasic patient** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.
20 min., sd., color, 16 mm. (Aphasia, no. 3)
*Summary:* Emphasizes the problems of social reorientation encountered by the aphasic patient, and explains the use and importance of group therapy and of corrective physical therapy, retraining of the [illegible] function, and contacts outside the hospital environment. For medical personnel.
*Borrow from VA. Buy from CW.*

**Social change in a democracy** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Sun Dial Films. Released for public educational use through U. S. Office of Education, 1952.
20 min., sd., b&w, 16 mm.
*Summary:* Portrays students in a high-school social-studies class discussing the difference between conditions in a democracy and in a totalitarian state; then learning first-hand how a problem in their own community, arising from a social change, is solved by law and assembly of the people. Prepared for use in occupied areas.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**The social worker** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1953.
20 min., sd., b&w, 16 mm.
*Summary:* Portrays the training and education required of a young woman who wishes to become a social worker. Prepared for use in occupied areas.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Sodium graphite reactor progress report** (*Motion picture*) U. S. Atomic Energy Commission, 1956. Made by North American Aviation.
17 min., sd., color, 16 mm.
*Summary:* Describes a number of experiments devoted to the development of the sodium graphite reactor, with special emphasis on the development of the fuel element. A number of sequences are shown of the testing of components.
*Borrow from AEC. Buy from [illegible] Cleared for tv.*

**Sodium reactor experiment fabrication** (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by North American Aviation.
19 min., sd., color, 16 mm.
*Summary:* Shows the fabrication and testing of major reactor components for the sodium reactor experiment (SRE). Explains fuel element fabrication and testing, grid plate fabrication, control rod system testing, core tank fabrication, thermal shield ring fabrication, top plug fabrication, sodium pump inspection, heat exchanger and coolant piping inspection, and fuel handling system checkout.
*Borrow from AEC. Buy from Byron. Cleared for tv.*

**Soft tissue wounds** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., color, 16 mm. (Medicine in action series, no. 6)
Order no. MN 2728-d.
*Summary:* How to remove shell fragments from four typical battle wounds: upper thigh, scapula, leg, and arm wounds. For medical personnel.
*Borrow from Navy. Buy from UWF.*

**Soil and water conservation** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
8 min., sd., b&w, 16 mm. (School films series, no. 6)
With teacher's guide.
*Summary:* Conservation farming methods to protect soil and water resources—contouring, terracing, strip cropping, cover crops, crop rotation, tree and grass planting, etc.
*Rent from DA film libraries. Buy from UWF.*

**Soil and water conservation by the beaver** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
48 fr., b&w, 35 mm.
Order no. 502.
With lecture notes.
*Summary:* Explains the history, habits, and economic relations of the beaver, with reference to farm and forest lands; and shows how to establish new beaver colonies.
*Buy from PhotoLab.*

**Soil conservation benefits wildlife** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.
51 fr., b&w, 35 mm.
Order no. 559.
With lecture notes.
*Summary:* Shows how nature reclaims areas saved by soil conservation, providing cover for game, fish, and other wildlife.
*Buy from PhotoLab.*

**Soil conservation in your business** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
49 fr., b&w, 35 mm.
Order no. 798.
With lecture notes.
*Summary:* Explains man's dependence upon the soil, shows some of the consequences of soil impoverishment, and emphasizes conservation measures.
*Buy from PhotoLab.*

**Soil erosion and its control in orchards** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.
48 fr., b&w, 35 mm.
Order no. 815.
With lecture notes.
*Summary:* Shows causes of orchard erosion, and how to control such erosion by [illegible] [illegible], terracing, strip cropping, [illegible] mulching, contour planting, and the use of cover crops.
*Buy from PhotoLab.*

**Soil erosion in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1937.
48 fr., b&w, 35 mm.
Order no. 407.
With lecture notes.
*Summary:* Shows effects of man-made and natural erosion, farming practices that cause erosion, and methods of controlling erosion.
*Buy from PhotoLab.*

**Soil explorations** (*Motion picture*) U. S. Army Engineers, 1951.
30 min., sd., color, 16 mm.
*Summary:* Shows the methods and procedures used in obtaining disturbed and undisturbed soil samples for testing in the Corps of Engineers soil laboratories.
*Borrow from Eng. Cleared for tv.*

**Soil tests for earth construction** (*Motion picture*) U. S. Army Engineers, 1951.
25 min., sd., color, 16 mm.
*Summary:* Portrays laboratory methods and procedures used by the U. S. Army Corps of Engineers in obtaining soil test data needed for the design and construction of earth structures such as levees and earth dams.
*Borrow from Eng. Cleared for tv.*

**Soldering lugs and splicing stranded conductors** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
10 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 2)
Order no. OE 271.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to solder a lug, using electric soldering tongs, a blowtorch, and solder pot and ladle; splice stranded conductors; and make a covered cable splice.
*Buy from UWF.*

**Soldering lugs and splicing stranded conductors** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
38 fr., b&w, 35 mm. (Electrical work series. Wiring, no. 2)
Order no. OE 271-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**The soldier at leisure** (*Motion picture*) U. S. Dept. of the Army, 1952.
14 min., sd., b&w, 16 mm.
Order no. MF 12-7588.
*Summary:* Explains the functions of Army service clubs and the activities provided for soldiers' leisure time; includes pictures of soldiers in Japan on tours, watching sport exhibitions, and being instructed in music and floral arrangements.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The soldier's mission and responsibilities** (*Motion picture*) U. S. Dept. of the Army, 1953.
20 min., sd., b&w, 16 mm.
Order no. MF 21-8435.
*Summary:* Explains in general terms, the U. S. soldier's mission, training, and responsibilities. Produced for military personnel entering the Army.
*Borrow from Army. Cleared for tv.*

**Soldiers of freedom** (*Motion picture*) U. S. Dept. of Defense, 1951.
21 min., sd., b&w, 16 mm.
Order no. AFIF 186.
*Summary:* Portrays soldiers from MDAP (Military Defense Assistance Program) countries attending the U. S. Army Infantry School at Fort Benning, Ga., and learning about U. S. weapons and tactics.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.
15 min., si., b&w, 16 mm.
Order no. TF 9.
With lecture notes.
*Summary:* Shows through high-speed motion pictures (2,000 photographs per second) combustion in the chamber of a high-speed Diesel engine with air-fuel ratios varying from [illegible] to [illegible]. A second [illegible] the technical [illegible], to be used with NACA Report [illegible]: Effects of air-fuel ratio on fuel spray and flame formation in a compression-ignition engine.
*Borrow from NACA.*

**Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.
15 min., si., b&w, 16 mm.
Order no. TF 1.
With lecture notes.
*Summary:* Shows through high-speed motion pictures (2,000 photographs per second) the effect of fuel injection advance angle on flame formation in the combustion chamber of a high-speed Diesel engine. A record film for technical personnel, to be used with NACA Report 525: Some effects of injection advance angle, engine-jacket temperature, and speed on combustion in a compression-ignition engine.
*Borrow from* NASA.

**Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
8 min., si., b&w, 16 mm.
Order no. L-531.
*Summary:* Shows the regimes of flow and the transient flow phenomena in subsonic, two-dimensional, plane-wall diffusers using one or both of two methods of dye injection in a water table. For technical personnel to be used with NACA Technical note 4080: Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers.
*Borrow from* NASA.

**Something about a soldier** (*Motion picture*) U. S. Dept. of Defense, 1948.
9 min., sd., b&w, 16 mm.
On reel with Arctic igloo.
Order no. AFSK 70.
*Summary:* The importance of appearance and behavior to soldiers.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Something for tomorrow** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.
11 min., sd., b&w, 16 mm.
Spanish version released under the title Algo para mañana.
*Summary:* Describes the lives of migrant farm workers and their importance in American agriculture; explains the benefits which they receive from old age and survivors insurance.
*Borrow from* SSA.

**South American medley series**
see
Brazil

**The South grows green** (*Motion picture*) U. S. Dept. of Agriculture, 1948.
43 min., sd., color, 16 mm.
*Summary:* Reviews the changes in agriculture in the South, emphasizing particularly crop diversification, soil conservation methods, and improvement of the land.
*Rent from* [illegible] *film libraries.* *Buy from* UWF.

**Southern pines pay** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.
50 fr., b&w, 35 mm.
Order no. 596.
With lecture notes.
*Summary:* Illustrates uses of various types of pines adapted to southern areas, explains their value to farmers, and demonstrates the requirements of good timber farming.
*Buy from* Photolab.

**The Southern States are restored to the Union**
see American history I, lecture 16: The Southern States are restored to the Union

**The Soviet Union and its peoples** (*Motion picture*) U. S. Dept. of Defense, 1951.
21 min., sd., b&w, 16 mm.
Order no. AFIF 101.
*Summary:* A brief survey of the Soviet Union and its peoples covering geographical features, climate, history, industry, transportation, culture, and political organization.
*Borrow from* Army. *Cleared for tv.*

**Space guidance and control** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
20 min., sd., color, 16 mm.
Order no. TF 1-5224.
*Summary:* Depicts the simulated space flight of a manned vehicle leaving the earth and joining a space station in orbit. Explains, with demonstrations, such terms as guidance system, inertia, acceleration, deceleration, and discusses various control problems.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Space navigation** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
13 min., sd., color, 16 mm.
Order no. TF 1-5225.
*Summary:* Explains the science of interplanetary flight through an imaginary trip to Mars and depicts the elements of navigation guidance and control.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Space pioneer** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.
10 min., sd., b&w, 16 mm.
*Summary:* Describes the flight of the U. S. Air Force rocket "Pioneer" on October 11, 1958. Explains how such rockets record and transmit valuable information and describes their contribution to the International Geophysical Year. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Space spraying** (*Motion picture*) U. S. Public Health Service, 1954.
9 min., sd., b&w, 16 mm. (Community fly control series)
Revision of the 1950 film with the title Spraying equipment and procedures. Part 2: Space spraying (order no. 4-138).
Order no. M 128.
*Summary:* Shows the purpose of space spraying in fly and mosquito control; types and operation of equipment—mist and fog machines; techniques of application; and evaluation of results.
*Borrow from* PHS. *Buy from* UWF.

**Spain** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 32.
*Summary:* Explains Spain's geography, government, culture, economic structure, and military and political significance. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Cleared for tv.*

**Spatial disorientation in flight** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
30 min., sd., color, 16 mm.
Order no. TF 1-5273.
*Summary:* Defines spatial disorientation and explains the operation and function of the equilibrium organs, conditions causing spatial disorientation, flight problems involved, and procedures for overcoming spatial disorientation difficulties.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Speaking of models** (*Motion picture*) U. S. Army Engineers, 1956.
20 min., sd., color, 16 mm.
Revision of the 1952 motion picture of the same title.
*Summary:* Shows how hydraulic model studies made by the Corps of Engineers at the Waterways Experiment Station, Vicksburg, Miss., aid in the planning and designing of projects for flood control, navigation, and hydroelectric power.
*Borrow from* Eng. *Cleared for tv.*

**Special circumstances** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1945.
14 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 293-e.
*Summary:* Illustrates five cases in which the courts decided the rules of special circumstances were not applicable.
*Borrow from* Navy. *Buy from* UWF.

**The special court-martial** (*Motion picture*) U. S. Dept. of the Army, 1957.
36 min., sd., b&w, 16 mm.
Order no. TF 15-2508.
*Summary:* Explains the jurisdictional powers and procedures of the special court-martial, including pretrial, trial, and post trial procedures and the differences between the special court-martial and the general court-martial. Uses a hypothetical case to illustrate the legal procedure: preparation and transmission of charge sheet through channels to the adjutant; appointment of trial and defense counsels; serving charges on accused; pretrial questioning of accused and witnesses by counsels; trial; presentation of evidence for mitigation or extenuation; preparation, authentication, and review of record of trial.
*Borrow from Army.*

**Special court martial** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1952.
30 min., sd., b&w, 16 mm. (Uniform code of military justice series)
Order no. MN 7359-d.
*Summary:* Demonstrates the procedures and conduct of a special court martial and explains the duties and responsibilities of Navy officers at such a court martial.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Special lights** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.
20 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-g.
*Summary:* International and inland rules for [illegible], naval and navigation signals, pilot vessels, fishing vessels, trawlers, ferry boats, dredges, subsurface vessels, pipe lines, floating plants, airplanes, small craft, fishing craft at anchor, etc.
*Borrow from Navy. Buy from UWF.*

Special products and factoring
see Beginning algebra II, lecture 1 (1-3): Special products and factoring

Special products, factoring, and quadratic equations
see Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations

**Special purpose vacuum tubes** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
71 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 19 min. (Radio technician training series)
Order no. NS 1540-g.
*Summary:* Explains the construction, sizes, models, and multiple uses of various vacuum tubes.
*Borrow from Navy. Buy from UWF.*

**Special steering and sailing rules** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
14 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202-e.
*Summary:* Gives the steering and sailing rules governing a steam vessel under way and a sailing vessel fishing; defines "privilege" and "burden."
*Borrow from Navy. Buy from UWF.*

**Special techniques for the home gardener** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.
40 fr., b&w, 35 mm.
Order no. 795.
With lecture notes.
*Summary:* Explains techniques to be used in planning and growing a vegetable garden that will give the greatest return in quantity and quality.
*Buy from Photolab.*

**Speech reading** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.
28 min., sd., b&w, 16 mm.
Order no. TF 8-1706.
*Summary:* Explains how persons with a hearing loss can learn, by careful interpretation of lip movements, to "see" what people are saying. Shows how vowel and consonant sounds are formed by the mouth.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Speech techniques** (*Motion picture*) U. S. Dept. of the Army, 1956.
11 min., sd., b&w, 16 mm. (Military instruction series, no. 6)
Order no. TF 21-2306.
*Summary:* Discusses the importance of good speech techniques in military instruction, and illustrates techniques to be used, including looking at and talking directly to the audience, attention to one's diction, exercising care in the use of mannerisms, and speaking slowly enough to be understood.
*Borrow from Army. Buy from UWF.*

**Speed drop** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.
3 min., sd., b&w, 16 mm. (Diesel engine governors series. Isochronous governor, no. 7)
Order no. MN 2709-h.
*Summary:* Demonstrates how load equalizer is added to the governor to control speed, and how the power piston and speeder spring function.
*Borrow from Navy. Buy from UWF.*

Spherical surfaces series
see Optical craftsmanship series. Spherical surfaces

**Spinning** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.
17 min., sd., b&w, 16 mm. (How to form aluminum series)
Order no. 398.
*Summary:* Shows and explains the techniques of metal spinning: standard tools and their operation; and flanging, beading, planishing, and burnishing.
*Borrow from BM. Cleared for tv.*

**Splicing a wooden spar** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
21 min., sd., b&w, 16 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 218.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to cut a scarf joint on a spar; finish a scarf face by hand; glue and assemble a scarf joint; make, glue, and assemble reinforcement plates; and trim a spar to shape and size.
*Buy from UWF.*

**Splicing a wooden spar** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.
43 fr., b&w, 35 mm. (Aircraft work series. Aircraft maintenance)
Order no. OE 218-fs.
With instructor's manual. Supplementary motion picture of same title.
*Buy from UWF.*

**Split-phase motor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray Bell Films.
17 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 4)
Order no. OE 366.
Supp ted by filmstrip with the same title.
With ctor's manual.
*Sum* Construction of stator and rotor; comparison of winding in complet motor with split-phase stator; effects of winding resistance and inductive reactance; and use of capacitor to produce phase displacement.
*Buy from UWF.*

**Split-phase motor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
48 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 4)
Order no. OE 290-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Split-phase motor: Rewinding** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
28 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 3)
Order no. OE 294.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to test a split-phase motor for electrical and mechanical faults; dismantle and strip the stator; rewind the stator; form and install skein windings; insulate; lace, dip, and bake the stator; and assemble, lubricate, and test the motor.
*Buy from UWF.*

**Split-phase motor: Rewinding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
48 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 3)
Order no. OE 294-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Sporocysts and cercariae of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1948.
8 min., si., b&w, 16 mm. (Schistosomiasis mansoni study films)
Order no. 4-064.
*Summary:* A photomicrographic study of cercarial movements and characteristics.
*Borrow from PHS.*

**Spot welding** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
20 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 9)
Order no. OE 295.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to spot weld parts of an access cover; set up the machine; remove and install electrodes; set pressure, current, and time controls; test the setup; and clean the electrode tips.
*Buy from UWF.*

**Spot welding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
44 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 9)
Order no. OE 295-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Spotting immediate training needs** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.
63 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min. (On-the-job supervision series, no. 2)
Order no. SFS 60-2.
*Summary:* Discusses the importance of identifying training needs, and the benefits resulting from improved training.
*Borrow from Army. Buy from UWF.*

**Spray-painting equipment** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.
60 fr., b&w, 35 mm.
Order no. OE 107.
*Summary:* Describes the parts of a typical paint-spraying outfit: spray gun, material containers, hose, air transformer, condenser, and compressor.
*Borrow from Navy. Buy from UWF.*

**Spraying equipment and procedures. Part 1: Residual spraying** (*Motion picture*) U. S. Public Health Service, 1951.
9 min., sd., color, 16 mm. (Community fly control series)
Order no. 4-091.
*Summary:* Explains the meaning of residual spraying for fly control, the necessity for this type of spraying, and the methods of using hand and power spraying equipment.
*Borrow from PHS. Buy from UWF. Cleared for tv. Prior authorization required.*

Spraying equipment and procedures. Part 2: Space spraying
see also
Space spraying

**Spread and prevention of trichinosis** (*Filmstrip*) U. S. Public Health Service, 1948.
62 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.
Order no. 5-000.
With film guide.
A short version for non-professional audiences, released under the title Worms in your muscles, also available.
*Summary:* Discusses the life cycle of *Trichinella spiralis*; prevalence and spread of trichinosis; symptoms of the disease; control measures; and consumer responsibilities. For scientific audiences.
*Borrow from PHS. Buy from UWF.*

Spread and prevention of trichinosis
see also
Worms in your muscles

**The squad** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.
23 min., sd., b&w, 16 mm. (Close order drill series)
Order no. MN 291-a.
*Summary:* Explains that a regiment is composed of companies, platoons, and squads; and shows how the individual and the squad execute various military drills.
*Borrow from Navy. Buy from UWF.*

**The square knot** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
5 min., sd., b&w, 16 mm.
Order no. SCG 266, formerly MG 2120-a.
Supplementary filmstrip of same title also available.
*Summary:* Defines the terms bight, standing part, and fall piece; and demonstrates how to form a square knot.
*Buy from UWF.*

**The square knot** (*Filmstrip*) U. S. Coast Guard, 1941. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
28 fr., b&w, 35 mm.
Order no. SCG 266, formerly MG 2120-b.
Supplements motion picture of same title.
*Summary:* Demonstrates how to bend a square knot.
*Buy from UWF.*

**Squeeze riveting: Stationary and portable riveters** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.
15 min., sd., b&w, 16 mm. (Aircraft work series. Assembling and riveting, no. 7)
Order no. OE 298.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to select correct rivet sets for stationary and portable squeezers; set up and use the stationary squeezer and the portable squeezer.
*Buy from UWF.*

**Squeeze riveting: Stationary and portable riveters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.
38 fr., b&w, 35 mm. (Aircraft work series. Assembling and riveting, no. 7)
Order no. OE 240-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Squirrel-cage rotor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
10 min., sd., b&w, 16 mm. (Electrical work series. Electrical machinery, no. 8)
Order no. OE 265.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* Laws of magnetism and induced e. m. f.; electron flow in squirrel-cage rotor setting up magnetic poles which create torque; construction of squirrel-cage rotors.
*Buy from UWF.*

**Squirrel-cage rotor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
28 fr., b&w, 35 mm. (Electrical work series. Electrical machinery, no. 8)
Order no. OE 265-fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from UWF.*

**The stages of instruction: Application, examination, and review or critique** (*Motion picture*) U. S. Dept. of the Army, 1956.
20 min., sd., b&w, 16 mm. (Military instruction series, no. 2-c)
Order no. TF 21-2394.
*Summary:* Explains the importance of learning by doing, of giving examinations to improve learning and to measure the effectiveness of teaching, and of reviewing the main points of instruction in order to clear up any confusion which may exist in the student's mind.
*Borrow from Army. Buy from UWF.*

**The stages of instruction: Preparation** (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm. (Military instruction series, no. 2-a)
Order no. TF 21-2392.
*Summary:* Discusses the importance of estimating the instructional situation, selecting and organizing teaching materials, checking on the availability of training aids, preparing a lesson plan, rehearsing the lesson, and checking all arrangements to insure no slip up in the classroom.
*Borrow from Army. Buy from UWF.*

**The stages of instruction: Presentation** (*Motion picture*) U. S. Dept. of the Army, 1956.
12 min., sd., b&w, 16 mm. (Military instruction series, no. 2-b)
Order no. TF 21-2393.
*Summary:* Explains the elements of presentation in military instruction—introduction, explanation, and summary—and the lecture, conference, and demonstration methods of explanation.
*Borrow from Army. Buy from UWF.*

**Staining blood films for malaria parasite examination** (*Filmstrip*) U. S. Public Health Service, 1947.
80 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 15 min. (Malaria control series)
Order no. S-472.
Based on the 1945 motion picture released under the title Preparation and staining of blood films.
*Summary:* Shows how to stain thick and thin blood films for the laboratory diagnosis of malaria; includes the technique of preparing Giemsa, Wright-Giemsa, and Wright's blood stains.
*Borrow from PHS.*

Staining blood films for malaria parasite examination (Filmstrip)
see also
Preparation and staining of blood films (Motion picture)

**Stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1949.
27 min., sd., b&w, 16 mm.
Order no. 491.
*Summary:* Emphasizes the many uses to man; illustrates the corrosion-resistant quality of stainless steel; gives a step-by-step description of the making of stainless steel.
*Borrow from BM. Cleared for tv.*

**Stalemate in Korea** (*Motion picture*) U. S. Dept. of Defense, 1953.
18 min., sd., b&w, 16 mm.
Order no. CB 133.
*Summary:* Military operations in Korea from July 1951 to August 15, 1952.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Standardization** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Academy Pictures.
25 min., sd., b&w, 16 mm.
Order no. MN 6680.
*Summary:* Explains the basic concepts and benefits of standards and the standardization process. Sets forth broad principles for an effective approach to standardization problems, whether local or international in scope.
*Borrow from Navy. Buy from UWF.*

Standardization of crew training for search and rescue craft series
see Search and rescue series. Standardization of crew training for search and rescue craft

**Standards of a serviceman** (*Motion picture*) U. S. Dept. of Defense, 1951.
12 min., sd., b&w, 16 mm.
Order no. AFIF 33.
*Summary:* Explains the military standards required of servicemen and the importance of discipline and teamwork.
*Borrow from Army. Cleared for tv.*

**Standing waves on transmission lines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1946.
20 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1349-b.
*Summary:* By means of animated diagrams, laboratory demonstrations, and diverse analogies explains the causes, results, and prevention of standing waves in radio high frequency transmission lines.
*Borrow from Navy. Buy from UWF.*

**Staphylococcal disease: Manifestations, prevention and control** (*Filmstrip*) U. S. Public Health Service, 1959.
56 fr., color, 35 mm.
With film guide.
Order no. F 345.
*Summary:* Stylized drawings depict various clinical manifestations of hospital-acquired staphylococcal disease, the ways by which it is spread, and some of the techniques and methods useful in the control of infections.
*Borrow from PHS. Buy from UWF. Cleared for tv.*

**Star identification** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
16 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 93-f.
*Summary:* Explains briefly the apparent movement of the stars across the sky; and locates and identifies 22 basic navigation stars, including Dubhe, Polaris, Arcturus, Spica, Regulus, Vega, Betelgeuse, Sirius, and several important constellations.
*Borrow from Navy. Buy from UWF.*

**State capitol** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.
[illegible] min., sd., b&w, 16 mm. ([illegible])
Summary: [illegible]
Buy from UWF. Cleared for tv. Prior authorization required.

**State fair** (*Motion picture*) U. S. Information Agency, 1955. Made by Dudley Productions. Released for public educational use in the United States through U. S. Office of Education, 1955.
[illegible] min., sd., b&w, 16 mm.
Summary: [illegible]
Buy from UWF. Cleared for tv. Prior authorization required.

**Statistical averages**
see Engineering algebra I, lecture 7: Statistical averages; addition and subtraction of directed numbers

**Statistical quality control: Acceptance sampling** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
Summary: Statistical methods employed in acceptance sampling by government inspectors responsible for acceptance of products.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Statistical quality control: Process control** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
Summary: Shows statistical methods involved in process control as a means of obtaining for the government a better product at a lower price.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Steam engine indicator** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
[illegible] fr., b&w, 35 mm.
Order no. [illegible], formerly [illegible]
*Summary:* Shows the operation and use of a steam engine indicator.
*Buy from UWF.*

**Steam locomotive firing** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
12 min., sd., b&w, 16 mm.
Order no. FB 55-[illegible]
*Summary:* Illustrates the procedure for dropping old fire and putting on new fire in a steam locomotive, including knocking the old fire, washing down the ashpan, emptying the boiler of old water and refilling it with new water, inspecting the fire box, filling the fire box with coal, and lighting the fire and spraying it with oil.
*Borrow from Army.*

**Steam turbine construction** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
60 fr., b&w, 35 mm.
Order no. OCG 176, formerly [illegible]
*Summary:* Shows a turbine installation and explains the principles of the impulse and reaction-type turbines.
*Buy from UWF.*

**The steel ring (Air defense of U. S.)** (*Motion picture*) U. S. Dept. of the Army, 1955.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
Summary: [illegible]
Borrow from Army.

**The steel rule** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.
[illegible] min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement, no. 1)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
Summary: [illegible]
Buy from UWF.

**The steel rule** (*Filmstrip*) U. S. Office of Education, 1941. Made by Castle Productions Corp.
[illegible] fr., b&w, 35 mm. (Machine shop work series. Precision measurement, no. 1)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
Buy from UWF.

**Steel town** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1946.
17 min., sd., b&w, 16 mm. (American scene series, no. [illegible])
Summary: Shows the steel mills, blast furnaces, and lives of the steel workers in Youngstown, Ohio.
Buy from UWF.

**Steering** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.
[illegible] fr., b&w, 35 mm.
Order no. OCG [illegible], formerly [illegible]
Summary: Explains the effect of the rudder and propeller on steering, the commands to follow when changing course, and how to use the lubber line and compass for steering.
Buy from UWF.

**Steering, clutch, and brake** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
[illegible] min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 3)
Order no. TF 5-[illegible]
Summary: Demonstrates proper steering techniques in the operation of the D-7 tractor, and explains how to detect steering, clutch, and brake troubles and how to make the necessary adjustments to correct them.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Steering, wheels, front and rear axles** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.
[illegible] min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 6)
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to check for play in the steering wheel and the front end assembly; correct wheel runout; make a toe-in test; and test springs, axles, and overall backlash.
*Buy from UWF.*

**Steering, wheels, front and rear axles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.
[illegible] fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 6)
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Stem rust** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].
[illegible]

**Stem rust** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].
[illegible]

**[illegible]** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Washington State Extension Service, [illegible].
[illegible]

**A step-saving kitchen** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
[illegible]

**A step-saving U kitchen** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.
[illegible]

**Stern launching, [illegible] class** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1946.
[illegible] min., sd., b&w, 16 mm. (Shipbuilding skills series)
[illegible]
*Summary:* Presents an over-all view of the technical operations involved in the stern-first launching of a destroyer.
*Borrow from Navy. Buy from UWF.*

**Still more about verbs**
see Practical English usage I, lecture 6: Still more about verbs

**The Stilwell Road** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1946.
[illegible] min., sd., b&w, 16 mm. (Campaign reports series)
Order no. [illegible]
*Summary:* Documentary record of the construction of a supply road through the mountains and jungles of Burma in World War II.
*Borrow from Army. Buy from UWF.*

**Stop, look, and question** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1946.
[illegible] fr., b&w, 35 mm. and disc: 2 s., 16 in., [illegible] rpm, [illegible] min. (On-the-job supervision series, no. [illegible])
Order no. [illegible]
*Summary:* Explains how to improve job methods by following these steps: break down the job, question every detail, develop the new method, and apply the new method.
*Borrow from Army. Buy from UWF.*

**[illegible]** (*Motion picture*) U. S. Public Health Service in cooperation with [illegible], [illegible]. Made by [illegible].
[illegible]

**The story of a spark plug** (*Motion picture*) U. S. Bureau of Mines in cooperation with Champion Spark Plug Co., [illegible].
[illegible]

**The story of a storage battery** (*Motion picture*) U. S. Bureau of Mines in cooperation with Willard Storage Battery Co., [illegible].
[illegible]

**Story of a transport** (*Motion picture*) U. S. Coast Guard, [illegible].
[illegible]

**A story of arc welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Lincoln Electric Co., [illegible].
[illegible]

**A story of copper** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., [illegible].
[illegible]

**The story of gasoline** (*Motion picture*) U. S. Bureau of Mines in cooperation with the Standard Oil Co. (Indiana) [illegible].
[illegible] min., sd., color, 16 mm.
Order no. [illegible]
Revision of the [illegible] motion picture of the same title.
*Summary:* [illegible] the composition and action of gasoline, and shows how it is manufactured from crude oil to finished product.
*Borrow from BM.*

**A story of goodwill** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Warner News. Released for public educational use through U. S. Office of Education, 1952.
[illegible] min., sd., b&w, 16 mm.
*Summary:* Portrays four students at International House, N. Y.—Korean, Japanese, Chinese, and Filipino—discussing the assistance given their countries by the United States.
*Buy from UWF. Cleared for TV. Prior authorization required.*

**A story of lead** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1950.
[illegible]
Order no. [illegible]
[illegible]
*Summary:* [illegible]
*Borrow from BM. Cleared for tv.*

**The story of lubricating oil** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1950.
[illegible]
Order no. [illegible]
*Summary:* [illegible]
*Borrow from BM. Cleared for tv.*

**The story of MDAP** (*Motion picture*) U. S. Dept. of the Army, 1951.
[illegible]
Order no. [illegible]
*Summary:* Explains the origin, development, and purpose of the Mutual Defense Assistance Program.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The story of menhaden** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with 21 menhaden companies, 1951. Made by Fox Hall Films.
[illegible]
*Summary:* Presents a general survey of the menhaden industry in the United States, showing steps in the catching and processing of menhaden.
*Borrow from FWS. Cleared for tv. Prior authorization required.*

**The story of naval aviation** (*Motion picture*) U. S. Dept. of the Navy, 1951.
[illegible]
Order no. [illegible]
*Summary:* A history of the development of naval aviation in the U. S. Navy. Emphasizes the integration of aviation with other activities in fleet operations.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The story of rock-wool home insulation** (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1948.
[illegible]
Order no. [illegible]
*Summary:* [illegible] and the value of insulation. Shows the manufacture of rock wool insulation and the installation of such insulation in homes.
*Borrow from BM. Cleared for tv.*

**Story of the aircraft propeller** (*Filmstrip*) U. S. Navy Dept., 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
[illegible]
Order no. [illegible]
*Summary:* Discusses the principle upon which all propellers operate; explains the operating advantages and limitations of different types of modern propellers.
*Borrow from Navy.*

**Story of the Great Lakes** (*Motion picture*) U. S. Coast Guard, 1954.
[illegible]
*Summary:* Explains and portrays the economic importance of the Great Lakes in the transportation of iron ore, coal, grain, and other raw materials, and the functions and operations of the U. S. Coast Guard in maintaining this inland waterway.
*Borrow from CG. Buy from UWF. Cleared for tv.*

**The story of the helicopter** (*Motion picture*) U. S. Army Air Forces, 1944.
21 min., sd., b&w, 16 mm.
Order no. TF 1-3077.
*Summary:* Reviews the history of rotary winged aircraft designed on Leonardo da Vinci's direct-lift principle; shows how the first practical design, the FW-61, evolved from numerous unsuccessful experiments; distinguishes the helicopter from the autogyro; and describes Sikorsky's XR-4.
*Borrow from AF. Cleared for tv.*

**The story of uranium**
see The petrified river: The story of uranium

**The story of Wendy Hill** (*Motion picture*) U. S. Public Health Service in cooperation with American Diabetes Association, 1950. Made by [illegible].
[illegible]
*Summary:* [illegible]
*Borrow from PHS. Buy from UWF. Cleared for tv. Prior authorization required.*

**The stowaway series**
see
Diseases and personal hygiene
Food storage
Galley sanitation

**Straddle and surface milling to close tolerances** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.
[illegible] (Machine shop work series. Operations on the milling machine, no. [illegible])
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* [illegible]
*Buy from UWF.*

**Straddle and surface milling to close tolerances** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.
[illegible] (Machine shop work series. Operations on the milling machine, no. [illegible])
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Straddle milling** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.
[illegible] (Machine shop work series. Operations on the milling machine, no. [illegible])
Order no. [illegible]
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use an indexing fixture for production milling operations; space cutters on an arbor for straddle milling; and mill parallel bosses on connecting rods.
*Buy from UWF.*

**Straddle milling** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.
[illegible] (Machine shop work series. Operations on the milling machine, no. [illegible])
Order no. [illegible]
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Straggler control** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.
[illegible]
Order no. [illegible]
*Summary:* Illustrates methods of detecting and apprehending three kinds of stragglers—the lost, the sick, and the deliberate straggler. Explains the organization and operation of a straggler line, straggler post, and patrols collection points.
*Borrow from Army.*

**[illegible] and transportation [illegible]** (*Motion picture*) U. S. War Dept., [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

**Strategic Air Command** (*Motion picture*) U. S. Dept. of Defense, [illegible].
[illegible]

**The strategic attack** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].
[illegible]

**Strategic [illegible]** (*Motion picture*) U. S. Dept. of Defense, [illegible]. Made by U. S. Dept. of the Army.
[illegible]

**Strength of the chain (On the job training): Airman orientation** (*Motion picture*) U. S. Dept. of the Air Force, [illegible]. Made by Wilding Picture Productions.
[illegible]

**Strength of the chain (On the job training): The role of the supervisor** (*Motion picture*) U. S. Dept. of the Air Force, [illegible]. Made by Wilding Picture Productions.
[illegible]

**Streptomycin** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by [illegible]. Released for public educational use through U. S. Office of Education, [illegible].
[illegible]

**Strictly personal** (*Motion picture*) U. S. War Dept., [illegible].
[illegible]
*Summary:* Basic rules of personal health and hygiene for WAC personnel. For female audiences only.
*Borrow from Army.*

Striking back against rabies
see
The fight against rabies

**Strip cropping for wind erosion control and mulch in corn for soil improvement** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].
[illegible]

**Structural standards for restaurants** (*Filmstrip*) U. S. Public Health Service, [illegible].
[illegible]

**Studies in bacteriology. Part 1: Classification** (*Motion picture*) U. S. Public Health Service, [illegible].
[illegible]

**Studies in bacteriology. Part 2: Motility** (*Motion picture*) U. S. Public Health Service, [illegible].
[illegible]

**Studies in bacteriology. Part 3: Cell division** (*Motion picture*) U. S. Public Health Service, [illegible].
[illegible]

**A study of air flow by means of smoke** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, [illegible].
[illegible]
*Borrow from NASA.*

**A study of air flow by means of smoke** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, [illegible].
[illegible]
With lecture notes.
Condensed version, with the same title also released in [illegible].
*Summary:* Explains through pictures of flow, made visible by smoke in the NACA smoke-flow tunnel, the meaning of resistance or drag and of sustentation or lift, using a flat plate, a circular cylinder, and streamlined bodies. Shows effect of shape on drag and on lift, and methods of reducing drag and increasing lift. For use by technical personnel, particularly students beginning the study of the aeronautical sciences.
*Borrow from NASA.*

**A study of air flow in an engine cylinder** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1937.
17 min., si., b&w, 16 mm.
Order no. PP 11.
With printed notes.
*Summary:* Shows through high-speed pictures [illegible]
*Borrow from NACA.*

**A study of combustion in a spark-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.
17 min., si., b&w, 16 mm.
Order no. PP 10.
With printed notes.
*Summary:* Shows through high-speed pictures (taken at speeds up to 2,000 per second) the physical phenomena accompanying knocking combustion in a spark-ignition engine under varying conditions of air-fuel ratio, engine speed, [illegible]. A visual film for technical personnel, to be used with NACA Report 704: A photographic study of combustion and knock in a spark-ignition engine.
*Borrow from NACA.*

**Subarctic cross-country mobility. Part 2: Summer operations** (*Motion picture*) U. S. Dept. of the Army, 1955.
17 min., sd., b&w, 16 mm.
Order no. TF 55-2105.
*Summary:* Illustrates and compares summer and winter aspects of subarctic terrain, and shows how various [illegible] through the tundra, over the [illegible], and finally through muskeg. Explains the nature and character of tundra, muskeg, permafrost, and frozen subsoil, and points out that knowledge of the terrain will facilitate travel through subarctic regions.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Subcutaneous infections** (*Filmstrip*) U. S. Public Health Service, 1953.
57 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 138-c.
*Summary:* Depicts morphological characteristics of tissue phases of fungi with particular reference to chromoblastomycosis, mycetoma, rhinosporidiosis, and sporotrichosis. Consists of pictures which may be used for making 2 x 2-inch slides.
*Borrow from USPHS.*

**Subgrade preparation** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., b&w, 16 mm. (Military roads series, no. 3)
Order no. TF 5-1009.
*Summary:* Demonstrates how to plan earth-moving operations to create best subgrade, mix sand and clay to obtain the optimum subgrade, insert culverts to prevent failure from water, and create artificial subgrade on marshy ground.
*Borrow from Army. Buy from UWF.*

**Submandibular and submental triangle** (*Motion picture*) U. S. Veterans Administration, 1957.
24 min., sd., color, 16 mm. (Head and neck anatomy series, no. 3)
*Summary:* Demonstrates, on a cadaver, the boundaries of the submandibular and submental triangles and shows the important structures therein.
*Borrow from VA. Buy from UWF.*

**The submarine. Part 2: Construction** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.
20 min., sd., b&w, 16 mm.
Order no. FN 8015-b.
*Summary:* Describes the construction of the modern submarine, including the pressure hull, tanks, and superstructure; and each of the basic systems of the submarine.
*Borrow from Navy. Buy from UWF.*

**The submarine. Part 5: Diving and surfacing** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.
17 min., sd., b&w, 16 mm.
Order no. MN 8015-e.
*Summary:* Discusses methods used by a submarine in submerging and regaining positive, negative, and neutral buoyancy. Presents an explanation of surfacing.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**The submarine. Part 6: Operating submerged** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.
18 min., sd., b&w, 16 mm.
Order no. MN 8015-f.
*Summary:* Shows the operation of a submarine while submerged, including the use of special ballast tanks, trim tanks, and [illegible] at various depths. Briefly describes the snorkel system and its operation.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Submarine noise reduction: Bearings, care in installation** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Herbert Kerkow, Inc.
16 min., sd., b&w, 16 mm.
Order no. MN 8448-b.
*Summary:* Shows methods of reducing bearing-introduced noise and vibration in the [illegible]. Describes the manufacture and testing of bearings, storage of bearings [illegible], checking of critical dimensions applicable to bearings, installation of bearings, balancing of unit in the bearings, and testing for vibration after overhaul.
*Borrow from Navy. Buy from UWF.*

**Sucking wounds of the chest** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.
10 min., sd., color, 16 mm.
Order no. MN 7477.
*Summary:* Five important steps necessary in prompt and proper treatment for a sucking chest wound are demonstrated by means of a simulated casualty on the battlefield.
*Borrow from Navy. Buy from UWF.*

**Suction socket artificial limb** (*Motion picture*) U. S. Veterans Administration, 1951.
18 min., sd., color, 16 mm.
*Summary:* Describes a recently developed suction-socket prosthesis for above-knee amputees, held on by a slight negative pressure in the closed socket and by adherence of the stump to the socket walls. Stresses the need for coordinated effort by the amputee, surgeon, and limb fitter; [illegible]; and appraises the benefits of the suction socket prosthesis. For medical personnel.
*Borrow from VA. Buy from UWF.*

**Sugar Bowl classic** (*Motion picture*) U. S. Dept. of the Navy, 1955.
16 min., sd., b&w, 16 mm.
Order no. MN 8272.
*Summary:* Shows the highlights of the football game between the Naval Academy and the University of Mississippi in the Sugar Bowl at New Orleans, Louisiana, on January 1, 1955.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Suggestion box** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
*Summary:* How war plant workers in 1944 were encouraged to submit suggestions and how some of these suggestions, when put into practice, resulted in a saving of time, labor, and materials.
*Buy from UWF.*

**Suggestion power** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., b&w, 16 mm.
Order no. MF 12-1108.
*Summary:* Illustrates how the War Dept. suggestion program, "Ideas for victory," improved efficiency in war production.
*Borrow from Army. Buy from UWF.*

**Sulphur** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955.
22 min., sd., color, 16 mm.
Order no. 100.
Revision of 1937 film of same title.
*Summary:* Shows by animation and live-action photography how sulphur is mined 1,000 feet below the earth's surface by superheated water and forced by compressed air to the surface, where it is run into huge vats and solidifies, [illegible] sulphur [illegible].
*Borrow from BM. Cleared for tv.*

**Sumatra** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1946.
37 fr., color, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm., 17 min. ([illegible] series. Pacific area: Netherlands East Indies)
Order no. OE [illegible].
*Summary:* Describes Sumatra's products and climatic characteristics; how to make the best of existing conditions; and characteristics of some of the various natives.
*Borrow from Navy. Buy from UWF.*

**The summary court-martial** (*Motion picture*) U. S. Dept. of the Army, 1958.
27 min., sd., b&w, 16 mm.
Order no. TF 15-[illegible].
*Summary:* Presents four typical cases which may be tried in a summary court-martial. Illustrates conditions which prompt a recommendation for trial, relationship of the summary court officer to the accused, procedure followed in trial, mitigation and extenuation in defense, conviction and sentencing.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Summary court martial** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1955.
26 min., sd., b&w, 16 mm. (Uniform code of military justice series)
Order no. MN 7333-c.
*Summary:* Demonstrates the procedures and conduct of a summary court-martial, and explains the duties and responsibilities of Navy officers at such a court-martial.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Summary of results of model ditching investigations of five transport airplanes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
11 min., si., b&w, 16 mm.
Order no. TF 35.
*Summary:* Pictures of dynamic models of the Lockheed Constellation (with and without speedpak) and Constitution, the Douglas DC-4 and DC-6, and the Boeing Stratocruiser being launched so that they glide freely onto the water in an NACA tank. Explains the damage that may be expected and the resulting behavior of the airplanes, and of the nose-up attitude recommended for such emergencies. Shows landings made at high and low attitudes, at different speeds, all with flaps full-down and in calm water. Comments on what may be expected in rough water.
*Borrow from NASA.*

**Summer care and harvesting in the home garden** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.
45 fr., b&w, 35 mm.
Order no. 794.
With lecture notes.
*Summary:* Shows techniques in caring for a vegetable garden during the growing months and methods of harvesting at the proper time.
*Buy from PhotoLab.*

**Summer incident** (*Motion picture*) U. S. Dept. of the Navy, 1959.
27 min., sd., color, 16 mm.
Order no. MN 8662.
*Summary:* Using the Lebanon crisis as an example, shows the significance of being able to meet continuous world crises and small-war situations. Discusses the role played by Navy and Marine Corps personnel in supporting the foreign policy of the United States.
*Borrow from Navy. Cleared for tv.*

**Summer movements in the Arctic** (*Motion picture*) U. S. Dept. of the Army, 1955.
25 min., sd., b&w, 16 mm.
Order no. TF 55-[illegible].
*Summary:* Shows typical terrain features of Arctic and sub-Arctic regions, [illegible] in deep marshes and [illegible] the difficulties involved in the movement of men and supplies.
*Borrow from Army. Cleared for tv.*

**Sun, sand, and survival** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
20 min., sd., color, 16 mm.
Order no. TF 1-[illegible].
*Summary:* Analyzes the physiological effects of prolonged heat and thirst and emphasizes the importance of water control and the proper use of water in the desert. Also shows the proper use of survival equipment and how to set up a survival plan, send distress messages, make shade, and use the survival manual.
*Borrow from AF. Cleared for tv.*

**Sundays in the valley of Mexico** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1946.
11 min., sd., color, 16 mm.
*Summary:* Shows Sunday recreational opportunities in Mexico City, including scenes of a large cathedral, the roof garden of a modern hotel, and Xochimilco.
*Buy from UWF.*

**Sunset Division: 41st Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.
11 min., sd., b&w, 16 mm.
Order no. MF [illegible].
*Summary:* History of the U. S. 41st Infantry Division, particularly during World War II.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Sunset parade** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.
12 min., sd., color, 16 mm.
Order no. MN [illegible].
*Summary:* Views of the Sunset parade held weekly on Friday afternoons during the summer months at the Marine Barracks in Washington, D. C. Includes the Marine Band, the Drum and Bugle Corps, the Drill Team, and the troops.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Supercharging and fuel injection** (*Motion picture*) U. S. Dept. of the Army, 1956.
20 min., sd., b&w, 16 mm.
Order no. TF 9-2290.
*Summary:* Discusses the supercharging and fuel injection systems used on army vehicles to provide increased horsepower for engines without increasing the size of the engine; and covers their purpose, components, and functions.
*Borrow from Army. Buy from UWF.*

**Superficial infections** (*Filmstrip*) U. S. Public Health Service, 1951.
71 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 13-a.
*Summary:* Depicts morphological characteristics of tissue phases of fungi with particular reference to [illegible], black piedra, tinea versicolor, and trichomycosis axillaris. Consists of pictures which may be used for making 2 x 2-inch slides.
*Borrow from PHS.*

**Superficial structures and boundaries of the carotid triangle** (*Motion picture*) U. S. Veterans Administration, 1957.
21 min., sd., color, 16 mm. (Head and neck anatomy series, no. 1)
*Summary:* Demonstrates, on a cadaver, progressive dissection of the structures superficial to the carotid triangle and the limitations of its boundaries.
*Borrow from VA. Buy from UWF.*

**Superheat control** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1950.
11 min., sd., b&w, 16 mm. [illegible]
Order no. [illegible]
*Summary:* Shows how to [illegible] the superheater [illegible] and secure the superheater.
*Borrow from Navy. Buy from UWF.*

**Supersonic jet tests of simplified wing structures** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.
7 min., si., b&w, 16 mm.
Order no. [illegible]
*Summary:* Shows the results of tests on models of small multicell wing structures under supersonic flight conditions to determine the structural effects of aerodynamic heating. For technical personnel.
*Borrow from NASA.*

**Supersonic thunderbirds** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
14 min., sd., color, 16 mm.
Order no. [illegible]
Revision of the 1954 motion picture entitled The thunderbirds.
*Summary:* Portrays the famous jet acrobats in their homes and in flight [illegible]
*Borrow from AF. Buy from UWF. Cleared for TV.*

**Supervising women workers** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.
11 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 110.
With instructor's manual.
*Summary:* A plant manager advises a foreman to remember that women workers haven't the same industrial experience as men and very often have more home responsibilities; and to take these facts into account in his supervision.
*Buy from UWF.*

**Supervising workers on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
10 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 107.
With instructor's manual.
*Summary:* Dramatized incidents illustrating good and poor methods of supervision, including the necessity for obtaining the confidence of workers and the dangers of "oversupervising."
*Buy from UWF.*

**Supervision series**
see
Developing cooperation

**The supervisor as a leader, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
14 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 108.
With instructor's manual.
*Summary:* Four dramatized episodes illustrating poor supervisory practices and the importance of the following rules: Always keep promises. Never take credit for someone else's work. Don't pass the buck. Don't play favorites.
*Buy from UWF.*

**The supervisor as a leader, part 2** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.
13 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 109.
With instructor's manual.
*Summary:* Four more dramatized instances of poor supervision leading to the following generalizations: Be a leader not an authoritarian. Show appreciation for a job well done. Do not become angry. Protect the rights and feelings of workers.
*Buy from UWF.*

**Supplemental control for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1955.
27 min., sd., color, 16 mm.
*Summary:* Shows equipment and techniques used by the U. S. Geological Survey in determining the elevations of supplemental control points for photogrammetric mapping, including plane table and stadia surveys in terrain of moderate relief, triangulation methods in mountainous country without vegetation, and altimeter [illegible] in mountainous terrain with dense timber cover.
*Borrow from GS.*

**Supply catalog and stock list publications: Introduction** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Explains the Air Force supply catalog and stock list publications and their uses.
*Borrow from AF.*

**Supply catalog and stock list publications: Lookups** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
[illegible] min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Explains the Air Force supply catalog and stock list publications procedures, giving typical examples of how to find the AF stock number and deliver the desired item in the shortest possible time. Shows techniques and procedures for identifying items that have no markings or on which only the manufacturer's number is indicated.
*Borrow from AF.*

**Supply procedures for TOE organizations and non-TOE activities** (*Motion picture*) U. S. Dept. of the Army, 1955.
30 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Explains the new supply concept used by the modern Army and shows how it functions in relation to TOE (Table of Organization and Equipment) units and non-TOE activities.
*Borrow from Army. Buy from UWF. Cleared for TV.*

**Support in emergencies: Riot control** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use, 1956.
29 min., sd., b&w, 16 mm.
Order no. [illegible]
*Summary:* Demonstrates through dramatized incidents the four types of action which may be successively necessary to control a riot: show of force, riot control formations, chemical agents, and fire by selected marksmen against snipers. Emphasizes proper military bearing on the part of each military policeman to impress the crowd, the necessity for remaining well-mannered but firm at all times, and the employment of the minimum number of troops necessary for the mission.
*Borrow from Army.*

**Surgical approaches to the ankle joint** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
32 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anatomy of the dorsolateral and medial aspects of the ankle joint; shows operations employing approaches to the dorsal, lateral, medial, and posterior aspects of the joint; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the bones of the foot**
see
Surgical approaches to the joints of the foot

**Surgical approaches to the bones of the wrist**
see
Surgical approaches to the joints of the wrist

**Surgical approaches to the elbow joint** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.
20 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anatomy of the anterior and posterior aspects of the elbow joint; shows operations employing approaches to the anterolateral, lateral, medial, and posterior aspects of the joint; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the [illegible] joint** (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.
30 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anatomy of the anterior and posterior aspects of the hip joint; shows operations employing approaches to the anterolateral, straight lateral, and posterolateral aspects of the joint; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the joints of the foot** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
22 min., sd., color, 16 mm.
Also known as Surgical approaches to the bones of the foot.
*Summary:* Explains by animated diagrams the dorsolateral and medial aspects of the foot; shows operations employing approaches to the dorsal, dorsolateral, and plantar aspects; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the joints of the wrist** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
24 min., sd., color, 16 mm.
Also known as Surgical approaches to the bones of the wrist.
*Summary:* Explains by animated diagrams the anatomy of the volar, dorsal, and ulnar aspects of the wrist; shows operations employing approaches to the volar, radiovolar, ulnar, and dorsal aspects; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the knee joint** (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.
27 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anterior and posterior aspects of the knee joint; shows operations employing approaches to the anterior and posterior aspects and to the medial and lateral semilunar cartilages; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the scapulohumeral joint** (*Motion picture*) U. S. Veterans Administration, 1949. Made by Churchill-Wexler Film Productions.
30 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anatomy of the scapulohumeral joint; shows operations utilizing anterior, posterior, and muscle-splitting incisions; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the spine and sacroiliac** (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.
28 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anatomy of the posterior aspect of the sacroiliac and the anterior and posterior aspects of the region of the spine with emphasis upon the lumbar area; shows operations involving the sacroiliac and the retroperitoneal space; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**Surgical approaches to the sternoclavicular and acromioclavicular joints** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.
17 min., sd., color, 16 mm.
*Summary:* Explains by animated diagrams the anatomy of the anterior aspect of the sternoclavicular and acromioclavicular joints; shows operations approaching each joint; and recapitulates each operation in animation. For medical personnel.
*Borrow from VA. Buy from CW.*

**The surgical dressing carriage** (*Filmstrip*) U. S. Dept. of the Army, 1955.
48 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
Order no. [illegible]
*Summary:* Describes the reasons for using a surgical dressing carriage, equipment on the carriage, use of this equipment on the ward, procedures followed by the technician, and cleaning and restocking of the carriage.
*Borrow from Army. Buy from UWF.*

**Surgical dressings** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.
19 min., sd., b&w, 16 mm. (Care of the sick and injured by hospital corpsmen series)
Order no. [illegible]
*Summary:* Shows how to check the dressing cart and prepare it for use, work with a medical officer in changing a dressing, and change a dressing unassisted.
*Borrow from Navy. Buy from UWF.*

**Surgical management of omphalocele; second stage repair** (*Motion picture*) U. S. Dept. of the Navy, 1957.
12 min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* A technical film report showing second stage repair of an omphalocele in an 18-month-old infant; shows infant, and lateral and frontal X-ray views of omphalocele before surgery; demonstrates tedious, difficult, and gentle dissection required to separate adherent sack from skin and underlying fascia [illegible]; shows return of intestines to abdominal cavity through the hernial opening; depicts closure of incision in layers, and the trimming of redundant skin; shows the results of surgery in an infant two weeks postoperatively.
*Borrow from Navy.*

**The surgical treatment of carotid body sensitivity in man** (*Motion picture*) U. S. Dept. of the Army, 1951.
19 min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* Shows carotid body sensitivity in a patient and the surgical procedures necessary for correction; compares preoperative and postoperative electroencephalograms and electrocardiograms.
*Borrow from Army.*

**Survey of astronautics** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
28 min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* Presents, on the basis of current Air Force concepts of space exploration and man's progress in mastering rocket flight, a theoretical forecast of what lies ahead for man in the science of astronautics.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**A survey of refuse disposal methods** (*Motion picture*) U. S. Public Health Service, 1959.
10 min., sd., color, 16 mm.
Order no. [illegible]
*Summary:* A filmograph. Demonstrates the advantages and disadvantages of methods of refuse disposal—ranging from open dumps, dumping in oceans and rivers, and back-yard burning to scientifically engineered metropolitan incineration and sanitary landfills.
*Borrow from PHS. Buy from UWF. Cleared for tv. Prior authorization required.*

Surveying series
see
Building and utility layout
Measuring and leveling
Traversing

**Surveyors at work** (*Motion picture*) U. S. Coast and Geodetic Survey, 1957.
[illegible] min., sd., color, 16 mm.
*Summary:* Explains and illustrates the activities of the Coast and Geodetic Survey.
*Borrow from* [illegible].

**Survival in the Aleutians** (*Motion picture*) U. S. Dept. of the Air Force, 1951.
[illegible] min., sd., color, 16 mm.
Order no. TF 1-[illegible].
*Summary:* Shows actual conditions existing and methods of survival for personnel forced down or isolated in the Aleutians.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Survival in the Arctic tundra** (*Motion picture*) U. S. Dept. of the Air Force, 1949.
[illegible] min., sd., color, 16 mm.
Order no. TF 1-[illegible].
*Summary:* Shows a transport crew forced to abandon an airplane after becoming lost over the Arctic tundra, and illustrates the correct methods of survival to be followed.
*Borrow from AF. Cleared for tv.*

**Survival in the South Pacific** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1949.
[illegible] fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min. (Survival of war series. Pacific area)
Order no. [illegible].
*Summary:* How to obtain water and food, build a fire, construct a shelter, get along with natives, and protect oneself if forced down on an island.
*Borrow from Navy. Buy from UWF.*

**Survival on polar sea ice** (*Motion picture*) U. S. Dept. of the Air Force, 1954.
[illegible] min., sd., b&w, 16 mm.
Order no. TF 1-[illegible].
*Summary:* Demonstrates methods used in building a shelter on polar sea ice, obtaining drinking water, setting up radio and ground signals, and hunting for food.
*Borrow from AF. Cleared for tv.*

**Survival on the ice cap** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
40 min., sd., b&w, 16 mm.
Order no. TF 1-[illegible].
*Summary:* Shows how the members of an air crew, forced down on the ice cap, follow survival procedures carefully and return to their base.
*Borrow from AF. Cleared for tv.*

**Survivor recovery and handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
9 min., sd., color, 16 mm. (Search and rescue series. Standardization of crew training for search and rescue craft)
Order no. MG [illegible].
*Summary:* Shows methods of using survival suits, flotation litter, and small boats; and demonstrates methods of resuscitation of survivors. Primarily for crews of U. S. Coast Guard search and rescue craft smaller than ocean station vessels.
*Buy from UWF. Cleared for tv.*

**Suspects and witnesses. Part 1: Basic interviews** (*Motion picture*) U. S. Dept. of the Army, 1957.
16 min., sd., b&w, 16 mm.
Order no. TF 19-2442.
*Summary:* Enacts interviews of two typical witnesses by a military policeman after an accident involving a military truck and a civilian car, illustrating the effects of various factors on the witnesses' observations and the reconstruction of events. Stresses the technique used to obtain accurate statements, effects of emotion and prejudice on observations, and the importance of interviewing witnesses separately and soon after the accident.
*Borrow from Army.*

**Suspects and witnesses. Part 2: Complainants and hostile witnesses** (*Motion picture*) U. S. Dept. of the Army, 1957.
[illegible] min., sd., b&w, 16 mm.
Order no. TF 19-[illegible].
*Summary:* Through interviews of two witnesses by military police criminal investigators, illustrates the following points: don't accept a story at face value; extreme caution is required in handling exaggerated and false complaints; an innocent bystander does not have the right to remain silent; conversely, an individual involved in an attack can remain silent by claiming protection under the 31st article of the Uniform code of military justice.
*Borrow from Army.*

**Suspects and witnesses. Part 3: Interrogating suspects** (*Motion picture*) U. S. Dept. of the Army, 1957.
[illegible] min., sd., b&w, 16 mm.
Order no. TF 19-[illegible].
*Summary:* Demonstrates two basic types of interrogation: questioning a suspect whose guilt of breaking into a PX is uncertain, and questioning the suspect of a brutal crime. Emphasizes the importance of careful planning for the interrogation.
*Borrow from Army.*

**The Swan-Newport incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
[illegible] min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN [illegible].
*Summary:* Shows by animation the collision of the Swan and the Newport; and the causes thereof.
*Borrow from Navy. Buy from UWF.*

**Swaging cable terminals** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
11 min., sd., b&w, 16 mm. (Aircraft work series. Control cables, no. 2)
Order no. OE 236.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to measure and mark the cable accurately; set up the swaging machine; check the terminals after swaging; and remove, clean, and reassemble parts of the machine.
*Buy from UWF.*

**Swaging cable terminals** (*Filmstrip*) U. S. Office of Education, 1944. Produced by Bray Studios.
[illegible] fr., b&w, 35 mm. (Aircraft work series. Control cables, no. 2)
Order no. OE 236-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Swedes in America** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.
16 min., sd., b&w, 16 mm. (American scene series, no. 1)
*Summary:* Ingrid Bergman, speaking to her friends in Sweden, tells of the lives and contributions of Swedes in America, particularly the Swedish-American families in Minnesota. Contains a portrayal of Carl Sandburg.
*Buy from UWF.*

**"Sweepy": A message of sweeping importance** (*Filmstrip*) U. S. Veterans Administration, 1956.
[illegible] fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 15 min.
*Summary:* Uses cartoon characters to illustrate procedures of sweeping in hospitals.
*Borrow from VA. Buy from UWF.*

**Swimming for survival** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.
18 min., sd., b&w, 16 mm.
Order no. MN [illegible].
*Summary:* Stresses the importance of learning and practicing basic swimming skills by showing emergency situations where survival depends on this knowledge. Shows the side stroke, breast stroke, trudgeon, sculling, treading water, and entering the water by jumping and diving.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Swimming pool sanitation** (*Filmstrip*) U. S. Public Health Service, 1955.
98 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min.
Order no. F [illegible].
*Summary:* Shows some of the physical characteristics and operating procedures basic to swimming pool sanitation, including also [illegible], recirculation of water, filter methods, cleaning [illegible], [illegible] for [illegible], and maintenance of bath houses.
*Borrow from PHS. Buy from UWF.*

**Swimming through burning oil and through surf** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1949.
10 min., sd., b&w, 16 mm.
Order no. [illegible].
*Summary:* Demonstrates how to jump from a ship into water on which there is burning oil, and how to swim through the flames.
*Buy from UWF.*

**Swinging into step** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm.
Order no. TF 8-1332.
*Summary:* Shows how amputees are rehabilitated physically and psychologically for a return to normal living.
*Borrow from Army. Buy from UWF.*

**Sylvanus Thayer** (*Motion picture*) U. S. Army Engineers, 1950.
28 min., sd., b&w, 16 mm.
*Summary:* Presents the life story of Sylvanus Thayer, father of the U. S. Military Academy at West Point, and describes the development and some of the activities of the Academy. Describes the contributions made by the Army Engineer West Point graduates in the development of our country.
*Credits:* Narrator, Lowell Thomas.
*Borrow from Eng. Cleared for tv.*

**Symphony across the land** (*Motion picture*) U. S. Information Agency, 1959. Made by Trident Films. Released for public educational use in the United States through U. S. Office of Education, 1959.
30 min., sd., b&w, 16 mm.
*Summary:* Explains the role of symphonic music in the United States today. Shows the appreciation and support of the many symphony orchestras throughout the United States as they provide the public with a rich musical environment. Featured are leading symphony orchestras from various States performing music by American composers. Prepared for overseas use.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Synchro systems, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
21 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-a.
Supplementary filmstrip of same title also available.
*Summary:* Explains how a synchro generator controls the movement of a synchro motor; and shows the electrical transfer of angular motion between two remote points.
*Borrow from Navy. Buy from UWF.*

**Synchro systems, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
26 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540-a.
Supplements the motion picture of the same title.
*Borrow from Navy. Buy from UWF.*

**Synchro systems, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-b.
Supplementary filmstrip of same title also available.
*Summary:* Shows the operation of a control transformer and a differential synchro generator; explains how to use a control transformer as a receiver and a differential synchro generator when putting corrections into the signal of the circuit.
*Borrow from Navy. Buy from* UWF.

**Synchro systems, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1949.
23 fr., b&w, 35 mm. (Radio technician training series)
Order no. SN 1540-b.
Supplements the motion picture of the same title.
*Borrow from Navy. Buy from UWF.*

**Synthetic rubber** (*Motion picture*) U. S. Bureau of Mines in cooperation with Goodyear Tire & Rubber Co., 1944.
19 min., sd., b&w, 16 mm.
Order no. 238.
Released also by Goodyear Tire & Rubber Co. under title American success story.
*Summary:* Reviews laboratory research for synthetic rubber; shows operations in a synthetic rubber plant, including the latex still, coagulation, washer, dryer, and baling of crumb rubber; explains the objectives of scientists in perfecting synthetic rubber.
*Borrow from BM. Cleared for tv.*

**Syphilis**
see
Diagnosis of syphilis by the general practitioner

**Systemic infections** (*Filmstrip*) U. S. Public Health Service, 1951.
60 double fr., color, 35 mm. (The histopathology of human fungus infections)
Order no. F 10-4.
*Summary:* Depicts morphological characteristics of tissue phases of fungi with particular reference to actinomycosis, aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, cryptococcosis, histoplasmosis, and nocardiosis. Consists of pictures which may be used for making 2 x 2-inch slides.
*Borrow from PHS.*

# T

**TRR** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
5 min., sd., b&w, 16 mm.
Short version, prepared for television, of 6-minute film with same title.
*Summary:* Using animation, presents the major findings of the timber resource review made in 1953-55 by the U. S. Forest Service.
*Rent from DA film libraries. Buy from DA. Cleared for tv.*

**TRR** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
6 min., sd., color, 16 mm.
Short version for television also issued.
*Summary:* Using animation, presents the major findings of the timber resource review made in 1953-55 by the U. S. Forest Service.
*Rent from DA film libraries. Buy from DA. Cleared for tv.*

**TT-47/UG teletypewriter: General principles and operation** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.
16 min., sd., b&w, 16 mm.
Order no. MN 7467-a.
*Summary:* Explains how teletypewriters are used in the Navy's communications system and demonstrates for the operator the basic principles of operation, use of the various function keys, and correct procedures for setting up messages and securing the machine.
*Borrow from Navy. Buy from UWF.*

**TT-47/UG teletypewriter: Installation and performance tests** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.
14 min., sd., b&w, 16 mm.
Order no. FN 7467-b.
*Summary:* Demonstrates the step-by-step procedure for unpacking, installation, and assembly of the machine. Designed for personnel who install the machines rather than for operators.
*Borrow from Navy. Buy from UWF.*

**TT-47/UG teletypewriter: Preventive maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Atlas Film Corp.
6 min., sd., b&w, 16 mm.
Order no. FN 7807-e.
*Summary:* Explains the importance of frequent checks and stresses the preventive maintenance techniques which should be done by the operator rather than maintenance personnel. Shows cleaning, oiling, and minor adjusting of the machine.
*Borrow from Navy. Buy from UWF.*

**TVA** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Advisory Commission of the Council of National Defense, 1941.
21 min., sd., b&w, 16 mm.
*Summary:* Shows the work and accomplishments of TVA: the construction of multipurpose dams operating to help control floods, aid navigation, and produce power; and other activities in the Tennessee Valley, including agricultural work, rural electrification, research, and reforestation.
*Borrow from TVA. Buy from TVA. Cleared for tv.*

**TVA builds Johnsonville steam plant** (*Motion picture*) TVA, 1954.
15 min., sd., color, 16 mm.
*Summary:* A semitechnical film showing how TVA's Johnsonville steam plant, with six 125,000 kw. capability generating units, was constructed on the east shore of Kentucky Lake 12 miles west of Waverly, Tenn.
*Borrow from TVA. Buy from TVA.*

**TVA town** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Transfilm. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Portrays the growth of Decatur, Ala., into an industrial city through assistance provided by the Tennessee Valley Authority. Prepared for use in occupied areas.
*Buy from UWF. Cleared for tv. Prior authorization required.*

**Tachometers and synchronism indicators** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.
51 fr., b&w, 35 mm.
Order no. FS 1-28.
*Summary:* Operating principles, inspection, and maintenance procedures for chronometric and generator voltmeter tachometers and engine synchronization indicator on multiple-engine aircraft.
*Borrow from AF. Buy from UWF.*

**Tactical bomber in all-weather operations** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
11 min., sd., b&w, 16 mm.
Order no. TF 1-5186.
*Summary:* Demonstrates the uses and operations of the tactical bomber under all weather conditions, and stresses the importance of the tactical bomber and the need for close coordination of air, land, and sea forces in modern warfare.
*Buy from UWF.*

**Tactical day fighter and fighter bomber operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.
27 min., sd., b&w, 16 mm.
Order no. TF 1-4949.
*Summary:* Illustrates the basic combat air tasks for theatre forces and how tactical day fighters and fighter bomber operations are employed in combat for counter air operations, interdiction, and close air support. Shows and explains details of a mission in action.
*Borrow from AF. Buy from UWF. Cleared for tv.*

Tailgating, left turns, parked cars
see Defensive driving: Tailgating, left turns, parked cars

**Tailor-made sheep** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Explains the work done at the U. S. Dept of Agriculture Sheep Experiment Station, Du Bois, Idaho. Shows two new breeds of sheep—the Columbia and the Targhee—which are well adapted to the American range, and describes their important characteristics.
*Rent from DA film libraries. Buy from UWF. Cleared for tv.*

**Take a letter, please** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.
22 min., sd., b&w, 16 mm.
Order no. MN 1362-c.
*Summary:* Burlesques common faults of dictators identified as scatterbrain, speed demon, dreamer, mumblemouth, and Simon Legree; shows proper methods of dictating letters.
*Borrow from Navy. Buy from UWF.*

**Take 'er down** (*Motion picture*) U. S. Dept. of the Navy, 1954.
18 min., sd., b&w, 16 mm.
Order no. MN 8194.
*Summary:* A history of the development of submarines in the U. S. Navy from 1900 to 1954. Includes scenes of the USS Nautilus, the first nuclear-powered vessel.
*Borrow from Navy. Buy from UWF. Cleared for tv.*

**Take safety with you** (*Motion picture*) U. S. Army Engineers, 1957.
14 min., sd., color, 16 mm.
*Summary:* Shows safety practices to be followed by individuals and families using the recreational facilities available at Corps of Engineers' civil works projects.
*Borrow from Eng. Cleared for tv.*

**Take 6** (*Motion picture*) U. S. Dept. of the Army, 1956.
11 min., sd., b&w, 16 mm.
Order no. [illegible]-6894.
*Summary:* Explains how National Guardsmen are trained in military skills under the provisions of the Reserve forces act of 1955. A recruiting film designed to interest teen-age youths in joining the National Guard.
*Borrow from Army. Buy from UWF. Cleared for tv.*

Taking care of diabetes series
see
Buying good food
Care of the feet
Cooking good meals
Diabetic coma
Eating for good health
Insulin and its use
Insulin reaction
Planning good meals
Selecting meals for all occasions
Tests of diabetes
What is diabetes?

**Tale of two cities** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.
12 min., sd., b&w, 16 mm.
Order no. ANSM 74.
*Summary:* A documentary record of the effects of the atomic bombing of Hiroshima and Nagasaki.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**A tale of 2,000 cities** (*Motion picture*) U. S. Dept. of the Army, 1956.
25 min., sd., b&w, 16 mm.
Order no. MF 45-8710.
*Summary:* A U. S. Army Reserve recruiting film developing the theme of strength in reserve as the power against the enemy. Reviews the background of events that precipitated World War II, and the devastation that resulted in the cities of the Far East and Europe; traces the development of strong American military force, and highlights its achievements in World War II and the post-war policing actions in Europe and Korea.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Tanglewood, music school and music festival** (*Motion picture*) U. S. Dept. of State, 1950. Made by MPO Productions. Released for educational use in the United States through U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm.
*Summary:* The Berkshire music school and festival at Tanglewood, Mass.; scenes of students studying at the school, performing, and listening to others, including the Boston Symphony Orchestra under the direction of Serge Koussevitsky. Prepared for overseas use.
*Buy from UWF.*

**The tank-armored infantry team** (*Motion picture*) U. S. Dept. of the Army, 1949.
28 min., sd., b&w, 16 mm.
Order no. TF 17-1515.
*Summary:* Explains the functions and operations of a tank-armored infantry team in an armored division.
*Borrow from Army.*

**Tanks** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
10 min., sd., b&w, 16 mm.
*Summary:* Shows the manufacture and performance of the M-8 Army tank.
*Buy from UWF.*

**Target for today** (*Motion picture*) U. S. Army Air Forces, 1944.
98 min., sd., b&w, 16 mm.
Order no. TF 1-3384.
*Summary:* Explains the effectiveness of strategic bombing upon German industry and shows the particular purpose, plan, and execution of a daylight precision bombing mission.
*Borrow from AF.*

**Target Nevada** (*Motion picture*) U. S. Dept. of the Air Force, 1953.
14 min., sd., color, 16 mm.
Order no. SFP 281.
*Summary:* Shows pictures of atomic explosions in Nevada and explains the part played by the U. S. Air Force in the continental test program of the Atomic Energy Commission and the nuclear weapons project of the Dept. of Defense including the gathering of photographic and electronic data, cloud tracking and cloud sampling, and testing the effects of the flash upon the eyes of Air Force crew members.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Target Tokyo** (*Motion picture*) U. S. Dept. of the Air Force, 1948.
22 min., sd., b&w, 16 mm.
Order no. SFP 153.
*Summary:* Documentary record of a B-29 crew from early training in Grand Island, Neb., to a bombing mission over Tokyo, including the trip, the bombing operation, and the return flight to Saipan.
*Borrow from AF. Cleared for tv.*

**Target within range: The key role of the USAF navigator** (*Motion picture*) U. S. Dept. of the Air Force, 1960.
19 min., sd., color, 16 mm.
Order no. SFP 633.
*Summary:* Depicts the vital and diversified duties of the U. S. Air Force navigator.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Task Force Frigid** (*Motion picture*) U. S. Dept. of Defense, 1948.
11 min., sd., b&w, 16 mm.
On reel with V-2 rocket. Assembling and launching.
Order no. AFSR 92.
Excerpts from the longer film of the same title (order no. M 1300)
*Summary:* Personnel and equipment tests conducted in extremely cold weather.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**Task Force Frigid** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.
37 min., sd., b&w, 16 mm.
Order no. MF 9-1300.
*Summary:* Film record of a military exercise held near Ladd Field, Alaska, to test the operating efficiency of men and equipment in —60° temperatures.
*Borrow from Army. Buy from UWF. Cleared for tv.*

**The Taurus–Gulf Trade incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
3 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202-p.
*Summary:* Collision of the Gulf Trade and the Taurus; and the causes therefor.
*Borrow from Navy. Buy from UWF.*

**Taxiing collisions** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.
5 min., sd., b&w, 16 mm. (Flight safety series)
Order no. MN 435-h.
*Summary:* A cartoon approach to the problem of avoiding taxiing accidents.
*Borrow from Navy.*

**Teach them traffic safety** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
5 min., sd., color, 16 mm.
*Summary:* Stresses the need for safety training at all school levels, including driver education courses in high school.
*Borrow from PCTS. Cleared for tv.*

**Teaching by guided discussion** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
21 min., sd., b&w, 16 mm.
Order no. TF 1-5210.
*Summary:* Presents an Air University academic course instructor conducting a seminar in teaching psychology to demonstrate techniques of teaching by the guided discussion method, and illustrates applicable techniques.
*Borrow from AF. Buy from UWF. Cleared for tv.*

**Teaching crutch walking** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
13 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 422.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to teach the patient to walk in a walker; to learn the various methods of crutch walking—two-point, four-point, and swinging; to sit, rise, and climb stairs; and the safety factors involved in crutch walking.
*Buy from UWF.*

**Teaching crutch walking** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.
48 fr., b&w, 35 mm. (Nursing series)
Order no. OE 422-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from UWF.*

**Teaching English grammar** (*Motion picture*) U. S. Information Agency, 1959. Made by Paul Alley Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.
19 min., sd., b&w, 16 mm.
*Summary:* Shows how the drill method is used in teaching English grammar through structural pattern practice rather than through memorization and application of rules; gives examples of both simple and complex patterns. Prepared for use in the USIA overseas English-teaching program.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Teaching English naturally** (*Motion picture*) U. S. Information Agency, 1959. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1960.
17 min., sd., b&w, 16 mm
*Summary:* Explains and demonstrates the informant-drill technique for teaching conversational English. Prepared for use in the USIA overseas English-teaching program.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Team work for a controlled environment** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
24 min., sd., color, 16 mm.
Order no. TF [illegible]-8165.
*Summary:* Stresses the importance of healthful living and working conditions at Air Force installations and shows how a successful preventive-medicine program is dependent upon the continuing joint efforts of the various activities concerned.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Teamed for defense
see
Teamed for peace

**Teamed for peace** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.
14 min., sd., b&w, 16 mm.
Order no. MN 9220.
Also known as Teamed for defense.
*Summary:* Shows joint planning, maneuvers, and equipment of the U. S. Armed Forces.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Teamwork** (*Motion picture*) U. S. Marine Corps, 1951. Made by U. S. Dept. of the Navy.
6 min., sd., b&w, 16 mm.
Order no. MH 6760.
*Summary:* Explains the importance of sports in Marine Corps training.
*Borrow from* Navy. *Cleared for tv.*

**Teamwork and you** (*Motion picture*) U. S. Dept. of Defense, 1950.
10 min., sd., b&w, 16 mm.
Order no. AFIF 6.
*Summary:* Emphasizes the importance of teamwork, both personally and organizationally, among members of the armed forces.
*Borrow from* Army. *Cleared for tv.*

**Technique and sites for subcutaneous and intramuscular injections** (*Filmstrip*) U. S. Dept. of the Army, 1954.
102 fr., b&w, 35 mm. and 2 discs: 3 s., 16 in., 33⅓ rpm, 31 min.
Order no. SFS 8-198.
*Summary:* Illustrates approved medical procedures for administering subcutaneous and intramuscular injections, various types of hypodermic equipment and their application, and the necessity of following prescribed procedures for the saftey and health of patients.
*Borrow from* Army. *Buy from* UWF.

Technique de fonderie. Fusion des métaux
see
Le chargement et le fonctionnement d'un cubilot
Préparation d'un cubilot pour le chargement

Technique de fonderie. Moulage au banc
see
Confection d'un noyau simple
Moulage avec un modèle multiple
Moulage avec un modèle solide
Moulage d'un modèle en deux parties
Moulage d'une pièce portant un noyau vertical

Technique de fonderie. Moulage mécanique
see
Moulage au moyen d'une machine à secousse et à démoulage par renversement
Moulage avec une machine à secousse et à compression

Technique de fonderie. Moulage sur le plancher
see
Moulage avec une boite a mouler en trois parties
Moulage d'un modèle solide; sur le plancher
Moulage d'une pièce avec un noyau horizontal
Moulage d'une pièce avec un noyau profond de sable vert
Moulage du corps d'une soupage

**A technique for measuring minimal social behavior** (*Motion picture*) U. S. Veterans Administration, 1957.
12 min., sd., color, 16 mm.
*Summary:* Demonstrates the administration and scoring of a test designed to measure the minimal social behavior of severely withdrawn psychiatric patients.
*Borrow from* VA.

**Technique of biceps cineplasty** (*Motion picture*) U. S. Dept. of the Army, 1960.
26 min., sd., color, 16 mm.
Order no. PMF 5331.
*Summary:* Portrays the operative technique used at the Walter Reed Army Medical Center, Washington, D. C., to perform a biceps cineplasty. Salient teaching points cover: positioning the patient and aligning the arm; transverse and vertical incisions; hemastasis; undermining procedure; formation of a tunnel in the muscle; suturing; final skin grafting; dressing. Shows the patient, following surgery, undergoing physical therapy and receiving prosthesis training.
*Borrow from* Army.

The technique of diving
see Deep sea diving: The technique of diving

**The technique of hand sending** (*Motion picture*) Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.
9 min., sd., b&w, 16 mm. (Radio operator training series)
Order no. MN 2621-b.
*Summary:* Identifies parts of the transmitter; explains elements of the Morse code, timing, and the importance of correct position and operation.
*Borrow from* Navy.

**Technique of open amputation** (*Motion picture*) U. S. War Dept., 1946.
11 min., sd., color, 16 mm.
Order no. PMF 5033.
*Summary:* Demonstrates the procedure on a below-knee open-amputation case, and the revision and final plastic repair six weeks later. For medical personnel.
*Borrow from* Army.

**Technique of tantalum cranioplasty** (*Motion picture*) U. S. Dept. of the Army, 1948.
40 min., sd., color, 16 mm.
Order no. PMF 5097.
*Summary:* Points out typical problems in the cosmetic correction of skull defects by means of tantalum cranioplasty. Demonstrates the technique in the formation and insertion of tantalum plates. For medical personnel.
*Borrow from* Army.

**Techniques in aircraft fire-fighting and rescue** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
29 min., sd., color, 16 mm.
Order no. TF 1-5157.
*Summary:* Describes and shows proper fire-fighting clothing, the component parts of an 011A fire-fighting truck, and care of the truck after use. Demonstrates the use of the truck's twin turrets and ground sweeps, positioning of the truck for best results, making a path through fire to the fuselage to rescue pilot and crew, and use of hand signals to the truck control operator and the linesmen. Also explains the use of different kinds of extinguishing agents for various types of fires; the use of conical, fog, and straight streams; and precautionary measures to prevent reignition.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Techniques of exhaled-air artificial respiration** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
11 min., sd., b&w, 16 mm.
Order no. FTA 458.
*Summary:* Shows how to administer mouth-to-mouth artificial respiration.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Techniques of group chest X-ray services** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.
20 min., sd., b&w, 16 mm.
*Summary:* Explains the administration and operation of a miniature-film, mass-radiography program. For administrative and technical personnel.
*Borrow from* PHS.

**Techniques of laboratory diagnosis of influenza** (*Motion picture*) U. S. Public Health Service, 1960.
17 min., sd., b&w, 16 mm.
Order no. M 368.
Revision of the 1950 motion picture entitled The laboratory diagnosis of influenza.
*Summary:* Explains and demonstrates the step-by-step procedures used in the laboratory diagnosis of influenza, including the collection of specimens, the isolation of the virus by intra-amniotic inoculation of chick embryos, rough agglutination tests, titration, hemoglutination tests, and the establishment of antibody content.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The telephone and the farmer** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
32 min., sd., color, 16 mm.
*Summary:* Shows how the townspeople of a rural community formed a cooperative, sought financial assistance through the telephone loan program of the Rural Electrification Administration, succeeded in obtaining the loan, and established a modern telephone service.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

Templates series
see Aircraft work series. Templates

**Ten thousand fires** (*Motion picture*) U. S. Tennessee Valley Authority, 1942.
20 min., sd., color, 16 mm.
*Summary:* Explains the causes of forest fires, shows the damage resulting from such fires, and stresses the need for forest fire prevention.
*Borrow from* TVA. *Buy from* TVA. *Cleared for tv.*

**Tension testing** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.
21 min., sd., b&w, 16 mm. (Engineering series)
Order no. OE 348.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How a hydraulic tension testing machine operates; how to prepare the machine and a specimen for a test; and conduct the test to determine the specimen's elastic limit, yield point, and ultimate strength.
*Buy from* UWF.

**Tension testing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.
45 fr., b&w, 35 mm. (Engineering series)
Order no. OE 348-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Terrier, the new fleet weapon** (*Motion picture*) U. S. Dept. of the Navy, 1954.
21 min., sd., color, 16 mm.
Order no. MN 8136.
*Summary:* Photographic report on the radar beam-riding guided missile at completion of its development stage and during evaluation firings from the USS Mississippi in 1954.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Teschen disease** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1953. Made by Byron, inc.
13 min., sd., b&w, 16 mm.
*Summay:* Shows characteristic symptoms of Teschen disease, a contagious virus disease attacking the brain and nervous system of swine, from its early manifestations through convulsions and final paralysis. Photographed by the Robert Koch Institute, Berlin, Germany. For doctors and students of veterinary medicine.
*Rent from* DA film libraries.

**Test** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
44 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136-m, formerly SG 3883-m.
*Summary:* A review quiz of 20 questions based upon the material presented in the 12 preceding filmstrips in this series, SCG 136-a through SCG 136-l.
*Buy from* UWF.

**Testing and individual therapy for the aphasic patient** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.
28 min., sd., color, 16 mm. (Aphasia, no. 2)
*Summary:* Explains the testing and rehabilitation procedures that are used in Veterans Administration hospitals for aphasics of different types; demonstrates various methods of psychological and personality testing; and shows patients undergoing therapy for motor, sensory, and formulation aphasia. For medical personnel.
*Borrow from* VA. *Buy from* CW.

**Testing mass standards by substitution** (*Motion picture*) U. S. National Bureau of Standards, 1956.
22 min., sd., color, 16 mm.
*Summary:* Demonstrates a simple method, known as error testing, for quickly determining with a high degree of precision the mass of an unknown standard by comparison with one of a known value. Shows the technique of tolerance testing, a simpler procedure used when determining whether or not the error of a standard is within certain prescribed limits. Explains forms for recording and computing results in error and tolerance testing. Live scenes supplemented by animation.
*Borrow from* NBS. *Buy from* NBS.

Testing series
see Welding procedures series. Testing

**Tests for virulence of C. diphtheriae in animals** (*Motion picture*) U. S. Public Health Service, 1950.
13 min., sd., b&w, 16 mm. (Laboratory diagnosis of diphtheria series, no. 3)
Order no. 4-088.1
With utilization guide.
*Summary:* Explains laboratory procedures for preparing pure broth cultures of *Corynebacterium diphtheriae* and injecting into rabbits, guinea pigs, and chicks to determine their virulence. Shows methods of interpreting the results of such tests.
*Borrow from* PHS. *Buy from* UWF.

**Tests of diabetes** (*Filmstrip*) U. S. Public Health Service, 1950.
38 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 6 min. (Taking care of diabetes series, no. 7)
Order no. 5-147.
*Summary:* Explains the reasons for urine and blood sugar tests for diabetes and the use of both types of tests.
*Borrow from* PHS. *Buy from* UWF.

**Texas and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.
27 min., sd., color, 16 mm.
Order no. 216.
Revision of the 1950 film released under the same title.
*Summary:* Gives a panoramic view of Texas, its agriculture, industry, and scenic attractions, with particular emphasis upon its mineral resources and chemical industries.
*Borrow from* BM. *Cleared for tv.*

**That men may fly** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by American Film Producers.
23 min., sd., b&w, 16 mm.
Order no. SFP 296.
*Summary:* Research activities and accomplishments of the Office of the Air Surgeon, the School of Aviation Medicine, and the Aero Medical Laboratory.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Theatres of war series. Pacific area
see
Carolines, Marianas, Bonin Islands
Marshall, Gilbert, and Ellice Islands
Melanesia
New Guinea
Philippine Islands
Survival in the South Pacific

Theatres of war series. Pacific area; Netherlands East Indies
see
Borneo and Celebes
Java
Lesser Sunda Islands
Moluccas
Sumatra

Their effect on the contact representatives
see The difficult ones. Part 2: Their effect on the contact representatives

**Then it happened** (*Motion picture*) U. S. Dept. of Agriculture, 1948.
11 min., sd., color, 16 mm.
Released in 1960 under title Don't let it happen.
*Summary:* A documentary record of the Maine forest fire of 1947. Shows how the fire started, spread, and destroyed farms, villages, and forests before it was brought under control. Emphasizes the need for forest fire prevention and fire control measures.
*Rent from* DA film libraries.

Then it happened
see also
Don't let it happen

**Theodore Roosevelt, American** (*Motion picture*) U. S. Dept. of Defense with the cooperation of the Theodore Roosevelt Centennial Commission, 1958. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
*Summary:* Reviews the life and achievements of Theodore Roosevelt from childhood to his death. Consists principally of drawings, cartoons, and still photographs.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Theory and principles of operation, automatic shifting unit
see
Hydraulic controls in the hydramatic transmission

Theory and principles of operation, fluid coupling and gear train
see
The fluid coupling, principles of operation

**Theory of simplex and phantom circuits. Part 1: Balanced conditions** (*Motion picture*) U. S. War Dept., 1944.
14 min., sd., b&w, 16 mm.
Order no. TF 11-2062.
*Summary:* Covers the action of currents in simplex and phantom circuits under balanced conditions; explains in animation the principles of the repeating coil; and shows how these principles are applied to obtain extra channels of communication over existing lines.
*Borrow from* Army.

**Theory of simplex and phantom circuits. Part 2: Unbalanced conditions** (*Motion picture*) U. S. War Dept., 1944.
19 min., sd., b&w, 16 mm.
Order no. TF 11-2063.
*Summary:* Shows action of currents in simplex and phantom circuits under unbalanced conditions, including "short," "open," and unbalanced resistances in the simplex circuit and a "short," "open," and "cross" on the phantom circuit. Explains ways to utilize equipment despite interference.
*Borrow from* Army.

**Theory of the lead-acid storage battery** (*Motion picture*) U. S. Dept. of the Navy, 1959.
25 min., sd., b&w, 16 mm.
Order no. MN 8592.
*Summary:* Shows in detail, by use of animation, how chemical energy is converted into electrical energy to produce electromotive force.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Therapeutic exercise: Introduction** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
17 min., sd., b&w, 16 mm.
Order no. PMF 5034.
*Summary:* An Army surgeon talks to his staff about pertinent problems in the use of therapeutic exercise—nature of the injury, stage of healing of the patient, precautions to be observed; and illustrates appropriate exercises to be used with patients with nerve, spinal cord, brain, chest, etc. injuries. For professional personnel.
*Borrow from* Army. *Buy from* UWF.

**Therapeutic exercise: Orthopedics** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
28 min., sd., b&w, 16 mm.
Order no. PMF 5051.
*Summary:* Demonstrates therapeutic exercises suitable in the management of orthopedic cases.
*Borrow from* Army. *Buy from* UWF.

**Therapeutic exercise: Peripheral nerve injuries** (*Motion picture*) U. S. Dept. of the Army, 1947.
17 min., sd., b&w, 16 mm.
Order no. PMF 5053.
*Summary:* Shows physical and electrodiagnostic tests used to determine the extent of injuries to the peripheral nerve, and remedial exercises used in the treatment of such injuries. For medical personnel.
*Borrow from* Army.

**Therapeutic exercise: Thoracic surgery** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
28 min., sd., b&w, 16 mm.
Order no. PMF 5056.
*Summary:* Covers physical examination of patients; determination of specific remedial activity; characteristic deformities; preoperative exercises; general aspects of surgery; postoperative treatment and therapy. For medical personnel.
*Borrow from* Army. *Buy from* UWF.

**Therapeutic uses of heat and cold. Part 1: Administering hot applications** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
21 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 408.
Supplemented by filmstrip of same title.
With instructor's manual.
*Summary:* Body reactions to heat; use of heat in the alleviation of pain; how to apply hot water bottles, electric pads, chemical pads, and paraffin bath; use hot soak, compresses, infra-red lamp, and shortwave diathermy.
*Buy from* UWF.

**Therapeutic uses of heat and cold. Part 1: Administering hot applications** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
39 fr., b&w, 35 mm. (Nursing series)
Order no. OE 408–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
22 min., sd., b&w, 16 mm. (Nursing series)
Order no. OE 409.
Supplemented by filmstrip of same title.
With instructor's manual.
*Summary:* Body responses to cold; therapeutic uses of cold; how to administer contrast baths and ice bags; apply ice packs as anesthesia; and use refrigerating blankets and cold chamber.
*Buy from* UWF.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.
46 fr., b&w, 35 mm. (Nursing series)
Order no. OE 409–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**There comes a tomorrow** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
27 min., sd., color, 16 mm.
*Summary:* Portrays the effects of a forest fire, caused by the carelessness of a wood-lot owner, upon a whole community. Describes the leadership of a sawmill operator and forest fire wardens in arousing the community to the need for greater support of fire control organization.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Thermometer** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.
56 fr., b&w, 35 mm.
Order no. FS 1–51.
*Summary:* Describes the use, operation, and maintenance of various types of aircraft thermometers.
*Borrow from* AF. *Buy from* UWF.

**They major in missiles** (*Motion picture*) U. S. Dept. of the Army, 1960.
15 min., sd., color, 16 mm.
Order no. MF 45–9509.
*Summary:* Describes the cooperative training program of practical work experience with missiles and rockets conducted at White Sands Proving Ground, New Mexico, for qualified engineering students majoring in missile technology at New Mexico State University and Texas Western College.
*Borrow from* Army. *Cleared for tv.*

**They need to know** (*Motion picture*) U. S. Social Security Administration, 1954. Made by U. S. Dept. of Agriculture.
14 min., sd., b&w, 16 mm.
*Summary:* Through a dramatized story, emphasizes the importance to wives and children of knowing of the survivors' insurance benefits available to them, upon the death of the family head, under the 1954 social security law.
*Borrow from* SSA. *Cleared for tv.*

**32nd Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1954.
18 min., sd., b&w, 16 mm.
Order no. MF 130–7930.
*Summary:* Traces the history of the U. S. Army's 32d Infantry Division through the Civil War, Spanish-American War, Mexican Border campaign, World War I and World War II. Highlights its action at Buna, Saidor, Aitape, Leyte, Luzon, and in the occupation in Japan.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**36th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.
21 min., sd., b&w, 16 mm.
Order no. MF 130–7931.
*Summary:* Historical record of the 36th Infantry Division during World Wars I and II, particularly its part in the battles at Salerno, San Pietro, Cassino, Anzio, and in Germany.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**This is aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1947.
29 min., sd., b&w, 16 mm.
Order no. 224.
Revision of 1938 film issued under title: Aluminum: Mine to metal.
*Summary:* Shows many phases of aluminum, including its abundance, mining operations, processing of bauxite to obtain metallic aluminum, molding, casting, alloying, rolling, annealing, testing of fabricated parts, and manufacturing aluminum articles.
*Borrow from* BM.

**This is Ecuador** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
18 min., sd., b&w, 16 mm.
*Summary:* Shows the geographic regions, natural resources, industries, cities, educational and religious institutions, and hemispheric importance of Ecuador.
*Buy from* UWF.

**This is France** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

27 min., sd., b&w, 16 mm.

Order no. AFIF 82.

*Summary:* Reviews briefly French history, ethnology, government, politics, industry, agriculture, social customs, and religious beliefs.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**This is Guadalcanal** (*Motion picture*) U. S. Navy Dept., 1943.

20 min., sd., b&w, 16 mm.

Order no. MN 2583.

*Summary:* A documentary story of the occupation and defense of Guadalcanal by the U. S. Marines in World War II.

*Borrow from* Navy.

**This is Lakehurst** (*Motion picture*) U. S. Dept. of Defense, 1952.

17 min., sd., b&w, 16 mm.

Order no. RTAF 144.

*Summary:* Pictorial tour of the U. S. Naval Air Station at Lakehurst, N. J.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**This is magnesium** (*Motion picture*) U. S. Bureau of Mines in cooperation with Dow Chemical Co., 1952.

13 min., sd., b&w, 16 mm.

Order no. 243.

Revision of 1944 film released under title: Magnesium, metal from the sea.

*Summary:* Shows steps in the production of magnesium, uses of magnesium in industry, and the development of new magnesium alloys.

*Borrow from* BM. *Cleared for tv.*

**This is the code: Absence offenses** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

10 min., sd., b&w, 16 mm.

Order no. MN 7855–a.

*Summary:* Discusses articles of the Uniform code of military justice of the U. S. Armed Forces that are concerned with various forms of unauthorized absence.

*Borrow from* Navy. *Buy from* UWF.

**This is the code: Conduct before the enemy** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

11 min., sd., b&w, 16 mm.

Order no. MN 7855–c.

*Summary:* Discusses articles of the Uniform code of military justice that are concerned with conduct before the enemy, treatment of prisoners, conduct as a prisoner, proper handling of captured or abandoned property, spies, etc.

*Borrow from* Navy. *Buy from* UWF.

**This is the code: Crimes against persons and property** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

18 min., sd., b&w, 16 mm.

Order no. MN 7855–d.

*Summary:* Explains the provisions of the Uniform code of military justice that relate to crimes against the person and against property. Closes with the reminder that wearing the uniform imposes the obligation for a serviceman to uphold his country's honor and reputation as well as his own.

*Borrow from* Navy. *Buy from* UWF.

**This is the code: Disrespect, disobedience, and improper performance of duty** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

16 min., sd., b&w, 16 mm.

Order no. MN 7855–b.

*Summary:* Discusses the provisions of the Uniform code of military justice that are concerned with disrespect, disobedience, and improper performance of duty.

*Borrow from* Navy. *Buy from* UWF.

**This is the code: General criminal articles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

8 min., sd., b&w, 16 mm.

Order no. MN 7855–f.

*Summary:* Discusses general provisions of the Uniform code of military justice, such as conspiracy, accessory after the fact, contempt toward officials, conduct unbecoming an officer and a gentleman, improper hazarding of a vessel, violating local traffic laws, and tampering with the mails. Concludes by summarizing various articles in the code.

*Borrow from* Navy. *Buy from* UWF.

**This is the code: Procedural articles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

15 min., sd., b&w, 16 mm.

Order no. MN 7855–e.

*Summary:* Discusses procedural articles of the Uniform code of military justice, such as those dealing with restraint of persons charged with offenses, unlawful detention, authority of civil authorities, confinement with enemy prisoners, resisting apprehension, breach of arrest, escape, releasing a prisoner without authority, compulsory self-incrimination, right of a commanding officer to punish offenders, types of courts-martial, membership of various courts, perjury, cruel and unusual punishment.

*Borrow from* Navy. *Buy from* UWF.

**This is West Point** (*Motion picture*) U. S. Dept. of the Army, 1951.

28 min., sd., b&w, 16 mm.

Order no. MF 45–7726.

*Summary:* Describes the origin and purpose of the U. S. Military Academy, and presents a picture of the life of a cadet from the time he enters the Academy at West Point until he graduates.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**This is worth working for** (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

28 min., sd., b&w, 16 mm.

*Summary:* Explains the program and services of the Veterans Administration. Produced for the orientation of Veterans Administration employees.

*Borrow from* VA.

**This is your Army** (*Motion picture*) U. S. Dept. of the Army, 1954.

79 min., sd., color, 16 mm.

Order no. MF 45–7950.

*Summary:* Explains the organization and functioning of the U. S. Army including the characteristics of Army life, basic and specialized training given the individual soldier, operations of the various branches, research and development activities, global responsibilities, NATO activities, etc.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**This is your forest** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

9 min, sd., color, 16 mm.

*Summary:* A forest ranger explains national forest activities to two Boy Scouts.

*Rent from* DA film libraries. *Cleared for tv.*

**This is your Navy** (*Motion picture*) U. S. Dept. of the Navy, 1951.

12 min., sd., b&w, 16 mm.

Order no. MN 6775–a.

*Summary:* Portrays the functions and activities of the U. S. Navy.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**This is your valley** (*Motion picture*) U. S. Army Engineers, 1956.

17 min., sd., color, 16 mm.

*Summary:* A pictorial report, illustrated by animation, showing how a typical river valley is developed. The Ohio River Basin is used as an example of how industry and the people benefit from the control works built for safe navigation and flood control.

*Borrow from* Eng. *Cleared for tv.*

**This land is mine** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Discusses the land reforms which have been made in Japan since the end of World War II, particularly the decrease in farm tenancy. Prepared for use in occupied areas, particularly in Japan.
*Buy from* UWF.

**Thomas Jefferson, the farmer** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.
63 fr., b&w, 35 mm.
Order no. 653.
With lecture no[illegible]
*Summary:* Explains how Jefferson promoted agriculture in the Nation's economy; shows his search for improved methods, labor-saving implements and machines, better crops and livestock; and explains his views on agricultural education, experimentation, and cooperative action.
*Buy from* PhotoLab.

**Thor: The IRBM** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
26 min., sd., color, 16 mm.
Order no. SFP 639.
*Summary:* Depicts the development of the Thor missile; shows how the military, industry, and science worked together to produce it; and explains its role in the IRBM defense concept.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Thoracic surgery series
see
Decortication in the treatment of tuberculous pleuritis
Foreign bodies in the pericardium and heart
Hemothorax with a consideration for specific remedial breathing exercises
Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis

**Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis** (*Motion picture*) U. S. Dept. of the Army, 1951.
23 min., sd., color, 16 mm. (Thoracic surgery series)
Order no. PMF 5208.
*Summary:* Demonstrates thoracoplasty in the first and second stage in the treatment of pulmonary tuberculosis. For medical personnel.
*Borrow from* Army.

**The threat of the cattle fever tick** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
15 min., sd., color, 16 mm.
*Summary:* Presents the danger of the cattle fever tick to American cattle, a brief history of the 30-year campaign waged to eradicate tick fever in cattle in the South, and the significance of precautions taken to see that the tick does not gain another foothold in the U. S.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Three cities** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
*Summary:* How workers in three American cities, solved wartime living problems in 1944.
*Buy from* UWF.

**Three guys called Mac** (*Motion picture*) U. S. Marine Corps, 1958.
26 min., sd., b&w, 16 mm.
Order no. MH 8063.
*Summary:* Depicts the activities of three Marines in the operating forces of the Marine Corps—one on sea duty as a member of a ship's detachment, the second in a reconnaissance outfit, the third attached to a Marine jet fighter squadron as a plane captain. Shows how all three are thrown together in an amphibious operation—thus portraying in action the land-sea-air team of the nation's force-in-readiness.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Three-phase motor. Part 1: Preparing to rewind** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
17 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 4)
Order no. OE 395.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to interpret and record nameplate data of a three-phase motor; identify the line and finish leads; remove coils and determine coil span; use a coil winding machine; and end-tape machine wound coils.
*Buy from* UWF.

**Three-phase motor. Part 1: Preparing to rewind** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
35 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 4)
Order no. OE 395–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Three-phase motor. Part 2: Rewinding** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
17 min., sd., b&w, 16 mm. (Electrical work series. Motor maintenance and repair, no. 5)
Order no. OE 396.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to insert mush coils and separators or "willies"; fold, trim, and wedge slot insulation around windings; insert phase insulation; and make a delta conne[illegible]
*Buy from* UWF.

**Three-phase motor. Part 2: Rewinding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
31 fr., b&w, 35 mm. (Electrical work series. Motor maintenance and repair, no. 5)
Order no. OE 396–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Three-quarter anterior crown** (*Motion picture*) U. S. Dept. of the Army, 1960.
38 min., sd., color, 16 mm.
Order no. PMF 5329.
*Summary:* Demonstrates the clinical technique for preparing and fitting a three-quarter anterior crown on a maxillary anterior tooth. Salient teaching points cover preliminary steps; preparation of tooth; securing accurate wax pattern; proper withdrawal of pattern; examination of pattern for good detail and density; casting and finishing procedure of final form at the laboratory; final fitting of casting on the tooth. Also describes the substitute material and equipment that can be used in the casting procedure.
*Borrow from* Army.

**The three squares** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Canners Association, 1956.
13 min., sd., color, 16 mm.
*Summary:* Explains the importance of food preservation, the history of canning, and the values of canned foods.
*Rent from* DA film libraries. *Cleared for tv.*

**Three-wire service entrance** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
24 min., sd., b&w, 16 mm. (Electrical work series. Wiring, no. 5)
Order no. OE 374.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount and connect an outdoor meter connection box; mount and connect a service control box; ground a three-wire service entrance installation; and install concentric service entrance cable.
*Buy from* UWF.

**Three-wire service entrance** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.
50 fr., b&w, 35 mm. (Electrical work series. Wiring (no. 5))
Order no. OE 374–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Thrufeed grinding a straight pin, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
29 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 1)
Order no. OE 85.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Principle of centerless grinding; basic elements of the centerless grinding machine; how to set up the machine and true the grinding and regulating wheels.
*Buy from* UWF.

**Thrufeed grinding a straight pin, part 1** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
41 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 1)
Order no. OE 85–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Thrufeed grinding a straight pin, part 2** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
28 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 2)
Order no. OE 86.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to balance the grinding wheel; position the work for grinding; adjust the work guides; take a trial grind; eliminate taper in the grinding wheel; use a crown cam to dress the grinding wheel; and check the workpieces.
*Buy from* UWF.

**Thrufeed grinding a straight pin, part 2** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.
43 fr., b&w, 35 mm. (Machine shop work series. Operations on the centerless grinding machine, no. 2)
Order no. OE 86–fs.
With instructor's manual. Supplements motion picture of same title
*Buy from* UWF.

**Thunder from the skies** (*Motion picture*) U. S. Dept. of the Air Force, 1950.
14 min., sd., b&w, 16 mm.
Order no. SFP 264.
*Summary:* How the U. S. Air Force provides close air support for ground forces in Korea. Includes combat scenes.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

The thunderbirds
see
Supersonic thunderbirds

**Thunderbolt geometry** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
16 min., sd., b&w, 16 mm.
Order no. SFP 423.
*Summary:* Presents behind-the-scenes preparations for a USAF rocketry meet at Vincent AFB, Arizona, the arrival of participants from all parts of the world, and actual gunnery runs.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Thunderstorms** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.
63 fr., b&w, 35 mm.
Order no. FS 1–2526.
*Summary:* Describes hazards, types, and recognition of thunderstorms, and explains preflight planning and recommended flight procedures in regions of thunderstorm activity.
*Borrow from* AF. *Buy from* UWF.

**Tibial nerve anastomosis in the lower calf** (*Motion picture*) U. S. Dept. of the Army, 1949.
8 min., sd., color, 16 mm.
Order no. PMF 5117.
*Summary:* Shows tibial nerve damage caused by a missile traversing the midcalf region, leaving the plantar muscle paralyzed and the sole of the foot anesthetic. Demonstrates the technique of surgical repair, precautions taken, and physiotherapy. For medical personnel.
*Borrow from* Army.

**Tides and currents** (*Motion picture*) U. S. Coast and Geodetic Survey, 1955.
18 min., sd., color, 16 mm.
*Summary:* Defines tides and tidal cycles; explains the astronomical and geographical causes of tides and tidal currents; and describes the work of the U. S. Coast and Geodetic Survey in measuring the rise and fall and the flood and ebb of tides as a basis for mathematical prediction tables necessary to navigation and commerce.
*Borrow from* CGS.

**El tifo** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Spanish version of Kill the louse.
*Summary:* Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.
*Buy from* UWF. *Cleared for tv.*

**La tifoidea** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
Spanish version of The typhoid carrier.
*Summary:* Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.
*Buy from* UWF. *Cleared for tv.*

**Timber and totem poles** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
11 min., sd., color, 16 mm.
*Summary:* Shows the timber resources of the Tongass National Forest in southeast Alaska, and explains the meaning of the totem poles of the Indians.
*Rent from* DA film libraries. *Buy from* UWF.

**Timber growing today** (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Southern Educational Film Production Service.
15 min., sd., color, 16 mm.
*Summary:* Explains that sustained-yield management of forests is economically sound, and shows how woodland owners in the Tennessee Valley are beginning to adopt such practices.
*Borrow from* TVA. *Buy from* TVA. *Cleared for tv.*

**Timber sales and inspection techniques** (*Motion picture*) U. S. Army Engineers, 1956.
28 min., sd., color, 16 mm.
*Summary:* Explains the procedures and techniques used by the U. S. Army Engineer Division, South Atlantic, Corps of Engineers, and its operating districts in the advertising, security, safety, inspection, and sale of timber products from Department of the Army lands.
*Borrow from* Eng. *Cleared for tv.*

**Time** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
10 min., sd., b&w, 16 mm. (Celestial navigation series)
Order no. TF 1–546.
*Summary:* Explains various time elements in celestial navigation which are used in solving practical exercises.
*Buy from* UWF.

**Time** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.
57 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83-e.
*Summary:* Explains the division of the globe into time zones; apparent, sidereal, and mean time; use of the chronometer; and three means of computation of time and its reckoning.
*Borrow from* Navy. *Buy from* UWF.

**Time in the air** (*Motion picture*) U. S. Navy Dept., 1943. Made by Springer Pictures. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
13 min., sd., b&w, 16 mm. (Navigation series)
Order no. MN 83–n.
*Summary:* Illustrates how to determine the error of the aircraft navigational watch and demonstrates its use in celestial navigation. Describes also the procedure for making observations of the sun preparatory to solving the astronomical triangle.
*Borrow from* Navy.

**Time out: Occupational therapy in tuberculosis** (*Motion picture*) U. S. Dept. of the Army, 1949.
26 min., sd., b&w, 16 mm.
Order no. PMF 5116–a.
*Summary:* Shows the role of hospital personnel in the physical, mental, and social rehabilitation of patients with tuberculosis.
*Borrow from* Army.

**Time pieces** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.
36 fr., b&w, 35 mm. (Piloting series)
Order no. SCG 136–f, formerly SG 3883–f.
*Summary:* Shows how to use the chronometer in navigation; explains its delicacy; and shows how to wind this instrument.
*Buy from* UWF.

**Time to go** (*Motion picture*) U. S. Dept. of the Army, 1955.
28 min., sd., b&w, 16 mm.
Order no. MF 20-8322.
*Summary:* Discusses the Selective Service System, its purpose, operation, and effect upon the young men of the United States. Opening sequences present Major General Lewis B. Hershey, director, Selective Service, who defines the need and purpose for Selective Service and introduces the subject matter covered in the film.
*Borrow from* Army. *Buy from* UWF.

**Tin from Bolivia** (*Motion picture*) U. S. Bureau of Mines in cooperation with Patino Mines & Enterprises Consolidated, 1945.
20 min., sd., b&w, 16 mm.
Order no. 215.
*Summary:* Shows primitive methods of making tin, modern methods of tin mining, and processes involved in preparing tin bullion for factories. Includes scenes and a description of Bolivia.
*Borrow from* BM. *Cleared for tv.*

**Tinning and solder wiping** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
26 min., sd., b&w, 16 mm. (Shipbuilding skills series. Coppersmithing, no. 4)
Order no. OE 343.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to clean copper tubing for tinning; apply flux to copper; tin copper tubing by hand and by dipping; and how copper reacts to heat when being dipped and solder wiped.
*Buy from* UWF.

**Tinning and solder wiping** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.
59 fr., b&w, 35 mm. (Shipbuilding skills series. Coppersmithing, no. 4)
Order no. OE 343–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Tinplate** (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1949.
27 min., sd., color, 16 mm.
Order no. 231.
*Summary:* Contrasts old and new methods of making tinplate; then shows the conversion of iron ore, coke, scrap, and limestone into molten metal, bars of steel, and coils of thin sheet steel. Describes the coating of sheet steel with tinplates by the ho-dip and electrolytic methods.
*Borrow from* BM. *Cleared for tv.*

**Titan in concrete** (*Motion picture*) U. S. Army Engineers, 1955.
20 min., sd., color, 16 mm.
*Summary:* Shows construction of the John H. Kerr Dam and Reservoir on the Roanoke River 12 miles southwest of South Hill, Va., and explains the benefits of the Roanoke River Basin plan to industry and agriculture.
*Borrow from* Eng. *Cleared for tv.*

**To be held in honor** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Universal Productions. Released for public educational use through U. S. Office of Education, 1951.
21 min., sd., b&w, 16 mm. (For which we stand series)
Order no. MN 5321–c.
*Summary:* An appeal to service men's sense of moral values and the desirability of their practicing sexual self control.
*Borrow from* Navy. *Buy from* UWF.

**To hear again** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.
37 min., sd., b&w, 16 mm.
Order no. PMF 5052.
*Summary:* Explains and shows examples of the U. S. Army's aural rehabilitation program—testing, treatment, and social rehabilitation; and use of hearing aids and lip reading; and stories of several patients. Primarily for patient orientation.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**To live in darkness** (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.
13 min., sd., b&w, 16 mm.
Order no. 1921–f.
*Summary:* Dramatized incidents showing how three plant workers lost their sight through carelessness.
*Borrow from* Navy. *Buy from* UWF.

**To provide for the common defense** (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., color, 16 mm.
Order no. FG 61–26.
*Summary:* Explains the history, organization, traditions, and customs of the U. S. Army.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**To the shores of Iwo Jima** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Warner Bros.
19 min., sd., color, 16 mm.
Order no. MN 5124.
*Summary:* Documentary record of the battle of Iwo Jima in World War II.
*Borrow from* Navy.

**Today's chicks** (*Motion picture*) U. S. Dept. of Agriculture, 1950.
19 min., sd., color, 16 mm.
*Summary:* Explains the national poultry improvement program to improve breeding qualities and reduce losses from pullorum disease in poultry flocks. Shows basic operations of program including the selection of breeders, methods of testing for pullorum, sanitation in the hatchery and field, and the production of pedigreed breeding stock.
*Rent from* DA film libraries. *Cleared for tv.*

**Toe drain application to levee construction** (*Motion picture*) U. S. Army Engineers, 1951.
15 min., sd., color, 16 mm.
*Summary:* Deals with the problem of under-seepage in the construction of a levee; illustrates the cause and effect of levee seepage; and shows how underground toe-drains are installed.
*Borrow from* Eng. *Cleared for tv.*

**Tom Schuler, cobbler statesman** (*Motion picture*) U. S. Information Agency, 1953. Made by Sketchbook Film Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

29 min., sd., color, 16 mm.

*Summary:* An animated film showing the rivalries that existed among the early American colonies, and how those differences were ultimately resolved by federation under the Constitution providing for a balance of power among the three branches of government. The story is built around the experiences of a fictional immigrant shoemaker of the period who finds himself honored for his part in ratifying the Constitution. Prepared for overseas use.

*Buy from* UWF.

**Tomorrow is here, Mr. Smith** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

19 min., sd., color, 16 mm.

Order no. SEP 313.

*Summary:* The story of a conservative business man living in the past until his son, Tom, enters college, learns of the opportunities in the Air Force ROTC, becomes interested in aviation, and imbues his father with the "spirit of air power."

*Borrow from* AF. *Cleared for tv.*

**Tomorrow we fly** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

22 min., sd., b&w, 16 mm.

Order no. MN 1254.

*Summary:* Follows a pre-flight student through his training course and the materials for a dive bomber through the assembly plant. Plane and student meet when both are ready to fly.

*Borrow from* Navy. *Buy from* UWF.

**Tongass timberland** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

18 min., sd., color, 16 mm.

*Summary:* Shows the timber resources and scenic beauties of the Tongass National Forest in southeast Alaska.

*Rent from* DA film libraries. *Buy from* UWF.

**Tooling up for the job** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

23 double fr., color, 35 mm.

Order no. C-41.

*Summary:* Discusses the needs and interests of young people in four age groups and suggests program tools for use in an extension program.

*Buy from* PhotoLab.

Tools and procedures series
see Accessory assembly series. Tools and procedures

The tools of language
see Practical English usage I, lecture 1: The tools of language

**Topical fluorides: Multiple chair procedure** (*Motion picture*) U. S. Public Health Service, 1951. Made by U. S. Dept. of Agriculture.

13 min., sd., color, 16 mm.

*Summary:* Demonstrates how a dental hygienist by working with groups of four patients can utilise the time required for sodium fluoride to dry on patients' teeth. Prepared for use in training personnel for community fluoride programs.

*Borrow from* PHS. *Buy from* UWF.

**Topical fluorides: Technic of application** (*Motion picture*) U. S. Public Health Service, 1949.

10 min., sd., color, 16 mm.

*Summary:* Shows the technique of applying a 2 percent solution of sodium fluoride to the teeth of children at ages 3, 7, 10, and 13 in order to obtain a 40 percent reduction in tooth decay.

*Borrow from* PHS. *Buy from* UWF.

**Topographic mapping by photogrammetric methods** (*Motion picture*) U. S. Geological Survey, 1957.

90 min., sd., color, 16 mm.

*Summary:* Portrays technical procedures employed by the Topographic Division of the U. S. Geological Survey in making standard topographic quadrangles, featuring the use of the multiplex method of mapping. Technical presentation for engineering students and other scientific personnel.

*Borrow from* GS.

**Topographic symbols** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

18 min., sd., b&w, 16 mm. (Basic map reading series, no. 1)

Order no. TF 5-1788.

Revision of 1945 film released under title Conventional signs (order no. TF 21-2071)

*Summary:* Shows how to identify natural and man-made ground features by representative topographic symbols for woods, railroads, highways, fences, water, buildings, etc. Explains the meaning of the different colors used for features on maps.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Topside painting: Application** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

10 min., sd., color, 16 mm.

Order no. MN 6788-b.

*Summary:* Demonstrates preparation of the surface to be painted; methods of mixing paint; and proper techniques of applying paint.

*Borrow from* Navy. *Buy from* UWF.

**Topside painting: Preparation** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

14 min., sd., color, 16 mm.

Order no. MN 6788-a.

*Summary:* Explains the importance of paint; the causes of paint failures; the use of roughing tools for removal of old paint and scale, and of finishing tools for the final cleaning of steel; and the components, mixing, and application of metal conditioner.

*Borrow from* Navy. *Buy from* UWF.

**Topsoil** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

11 min., sd., b&w, 16 mm. (School film series, no. 1)

With teacher's guide.

*Summary:* Explains the dependence of rural and urban people upon soil; shows the characteristics and importance of topsoil; the centuries required to make topsoil and the minutes during which it can be destroyed; and the need for soil conservation.

*Rent from* DA film libraries. *Buy from* UWF.

**Torch welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

17 min., sd., b&w, 16 mm. (How to weld aluminum series)

Order no. 220.

*Summary:* Shows how to make a good torch weld; examples of torch welding aluminum forgings; castings, and aluminum sheet and plate; and close-up of actual welding operations.

*Borrow from* BM. *Cleared for tv.*

**Tornado** (*Motion picture*) U. S. Weather Bureau, 1956. Made by the Calvin Co.

14 min., sd., b&w, 16 mm.

Made possible as a public service by United Gas Corp. and Texas Eastern Transmission Corp.

*Summary:* Shows a typical midwestern town in the path of a destructive tornado, scenes of a tornado in action, and means of protective preparation. Explains weather conditions which may generate a tornado, Weather Bureau activity in charting these conditions and issuing alerts and warnings, and the work of local trained observers in reporting information.

*Borrow from* WB. *Buy from* UWF. *Cleared for tv.*

**Tornado warnings** (*Motion picture*) U. S. Weather Bureau, 1953. Made by Lowe Runkle Co.

11 min., sd., b&w, 16 mm.

Originally produced for and presented by the Bell Telephone Co. of Oklahoma on a television program. Turned over to U. S. Weather Bureau for public educational purposes.

*Summary:* Explains the atmospheric conditions causing tornadoes and the work of the U. S. Air Force, U. S. Weather Bureau, and volunteer weather observers in predicting the paths of tornadoes. Includes scenes of various tornadoes.

*Borrow from* WB. *Buy from* UWF. *Cleared for tv.*

**Torneo de uma peça fixa num suporte** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)

Order no. OE 58-Port.

Portuguese version of Turning work held on a fixture.

*Buy from* UWF.

**Torneo de uma peça no mandril** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Trabalho de oficina mecânica. Usos do tôrno de precisão)

Order no. OE 61-Port.

Portuguese version of Turning work held on a mandrel.

*Buy from* UWF.

**Torneo de una pieza en el mandril** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

20 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)

Order no. OE 61-Sp.

Spanish version of Turning work held on a mandrel.

*Buy from* UWF.

**Torneo de una pieza fija en un sostén** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)

Order no. OE 58-Sp.

Spanish version of Turning work held on a fixture.

*Buy from* UWF.

**Torque converter, principles of operation** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Order no. TF 9-1427.

*Summary:* Explains the principles and operation of a torque converter and demonstrates its dual function as clutch and transmission.

*Borrow from* Army. *Buy from* UWF.

**Total colectomy** (*Motion picture*) U. S. Veterans Administration, 1957.

27 min., sd., color, 16 mm.

*Summary:* Shows the isolation of the distal ileum and the performance of an anal ileostomy, and the excision of the two proximal stomata and the re-establishment of ileal continuity by anastomosis as an optional procedure if warranted by nutritional state and sphincter control.

*Borrow from* VA.

**Total rehabilitation of a bilateral high upper extremity amputee** (*Motion picture*) U. S. Veterans Administration, 1959.

30 min., sd., color, 16 mm.

*Summary:* Shows how a bilateral double high-arm amputee can be restored to functional capacity.

*Borrow from* VA.

**Tournage d'un cylindre entre les pointes** (*Motion picture*) U. S. Office of Education, 1951.

17 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 1)

Order no. OE 313-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Turning a cylinder between centers.

*Buy from* UWF.

**Tournage d'une bride sur plateau** (*Motion picture*) U. S. Office of Education, 1951.

16 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 5)

Order no. OE 317-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Face turning a collar.

*Buy from* UWF.

**Tournage en mandrin** (*Motion picture*) U. S. Office of Education, 1951.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 4)

Order no. OE 316-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Turning work in a chuck.

*Buy from* UWF.

**Tournage sur plateau** (*Motion picture*) U. S. Office of Education, 1951.

15 min., sd., b&w, 16 mm. (Usinage précis du bois. Travail au tour à bois, no 3)

Order no. OE 315-Fr.

French version, prepared by L'Office provincial de publicité ciné-photo, Quebec, of motion picture released in 1944 with title Turning work on a face plate.

*Buy from* UWF.

**Toward tomorrow** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

20 min., sd., b&w, 16 mm.

*Summary:* Explains India's plan for a 50% increase in food production by 1956; illustrates methods of achieving this goal through modern (1952) dams, irrigation, fertilizers, etc.; and emphasizes the need for cooperation by villagers. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Towards a uniform plumbing code** (*Motion picture*) U. S. Housing and Home Finance Agency, 1948. Made by U. S. Dept. of Agriculture.

27 min., sd., b&w, 16 mm.

*Summary:* A pictorial record of tests conducted by the National Bureau of Standards to determine answers to three controversial problems in plumbing, namely: self-siphonage of fixture traps, stack venting, and wet venting.

*Buy from* UWF.

**Towers above the sand** (*Motion picture*) U. S. Army Engineers, 1954.

14 min., sd., color, 16 mm.

*Summary:* Explains the potential productivity of the Southwest, and the long range planning and construction program of the Corps of Engineers for the present and future progress of this region.

*Borrow from* Eng. *Cleared for tv.*

**Towing a disabled plane** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

3 min., sd., color, [illegible] mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)

Order no. MG 5380-e.

*Summary:* Shows how a U. S. Coast Guard ocean station vessel tows a disabled plane on the surface of the sea.

*Buy from* UWF. *Cleared for tv.*

**Towing lights** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., color, 16 mm. (Rules of the nautical road series)
Order no. MN 202-e.
*Summary:* Gives light specifications for tows; and shows lights for submerged tows, vessels in tow, barges, canal boats, scows, and dump scows in New York harbor.
*Borrow from* Navy. *Buy from* UWF.

**Towing, mooring, handling airplanes** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.
81 fr., b&w, 35 mm.
Order no. FS 1-215.
*Summary:* Shows the proper methods of towing, mooring, jacking, and hoisting various types of airplanes.
*Borrow from* AF.

**Towing seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.
46 fr., b&w, 35 mm.
Order no. SN 824.
*Summary:* Shows how to approach seaplanes for towing, secure ropes, and tow seaplanes under different wind conditions.
*Borrow from* Navy. *Buy from* UWF.

**The town** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.
13 min., sd., b&w, 16 mm.
*Summary:* Shows life in an American town, Madison, Ind., and explains the democratic characteristics of the social and civic life of the people.
*Buy from* UWF.

**A town in old Mexico** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.
10 min., sd., color, 16 mm.
*Summary:* A tourist view of the villages of Puebla, Orizaba, and Fortin de las Floras in Mexico.
*Buy from* UWF.

**Town meeting of the world** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by March of Time. Released for public educational use through U. S. Office of Education, 1952.
30 min., sd., b&w, 16 mm.
*Summary:* Defines the General Assembly of the United Nations as a "town meeting of the world," and explains its functions, organization, and operations. Produced for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

Trabajo de taller mecánico. Usos del torno de precisión
see
Elaboración de una pieza en el plato
Perforación micrométrica
Torneo de una pieza en el mandril
Torneo de una pieza fija en un sostén
El uso del soporte fijo

Trabalho de oficina mecânica. Usos do tôrno de precisão
see
Elaboração de uma peça no prato ou bucha
O emprêgo do suporte fixo
Perfuração micrométrica
Torneo de uma peça fixa num suporte
Torneo de uma peça no mandril

**Tracks** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.
7 min., sd., b&w, 16 mm. (Operator's adjustments, D-7 tractor, no. 5)
Order no. TF 5-1830.
*Summary:* Shows the methods, procedures, and tools used to check and adjust the tracks of the D-7 tractor.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Tractor, caterpillar D-8: Before operation services** (*Motion picture*) U. S. Dept. of the Army, 1957.
5 min., sd., b&w, 16 mm.
Order no. TF 5-2356.
*Summary:* Describes the following checks: fuel supply in main tank; auxiliary gas level; oil levels in starting and diesel engines; level of coolant in radiator; tracks; range of gauge while engine is operating at one-half and full throttle; possibilities of leaks; cracked, loose, or missing parts; action of operating controls; sound of engine; and power control unit.
*Borrow from* Army.

**Tractor, caterpillar D-8: Starting and stopping** (*Motion picture*) U. S. Dept. of the Army, 1957.
3 min., sd., b&w, 16 mm.
Order no. TF 5-2357.
*Summary:* Demonstrates the starting and stopping of the caterpillar D-8 tractor, giving particular attention to the proper sequence of operation and the location of all component parts. Explains the procedures for starting the starting engine; starting the diesel engine; stopping the starting engine; and stopping the diesel engine.
*Borrow from* Army.

**Tractor sled operations (Icecap II)** (*Motion picture*) U. S. Dept. of the Army, 1954.
10 min., sd., color, 16 mm.
Order no. MF 55-8243.
*Summary:* A record of a special expedition, called the "poleax" party, of the U. S. Army Transportation Corps in the summer of 1953 to test various tractor and sled operations on the Greenland icecap.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Trade training in the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
14 min., sd., color, 16 mm.
Order no. MN 6674.
*Summary:* Explains the possibilities of learning various trades in the Navy, centering mostly upon aviation and electronics. Intended for recruiting.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Tradeways to peace** (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1960. Made by Movietone News.
28 min., sd., color or b&w, 16 mm.
*Summary:* Describes United States participation in international trade fairs and shows scenes of the exhibits at the 1959 fairs in New Delhi, Madras, Poznan, Lima, Tokyo, Moscow, Zagreb, Casablanca, Salonika, and Barcelona.
*Borrow from* DC-OTF.

**Traditions and achievements of the Army** (*Motion picture*) U. S. Dept. of the Army, 1957.
26 min., sd., color, 16 mm.
Order no. MF 20-8668.
*Summary:* Reviews U. S. military history, with special attention to crucial battles and great leaders, and emphasizes the achievements and traditions of the U. S. Army.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The traffic accident spot map** (*Motion picture*) U. S. Dept. of the Army, 1956.

4 min., sd., b&w, 16 mm.

Order no. TF 19-2271.

*Summary:* Explains that upon receipt of the accident report, the desk sergeant plots the accident on a traffic accident spot map. Describes the use and preparation of the map, symbols used for plotting information, the required scale of the map, and features of a suitable legend.

*Borrow from* Army.

**Traffic court, U. S. A.** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

7 min., sd., color, 16 mm.

*Summary:* Stresses the importance of traffic courts in dealing with the public, and explains the characteristics of good court administration and procedures.

*Borrow from* PCTS. *Cleared for tv.*

**Traffic patrols and escorts** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

22 min., sd., b&w, 16 mm.

Order no. TF 19-1579.

*Summary:* Shows military police on traffic patrol and escort duty, techniques for area and organizational traffic control, safe guidance on convoys through controlled areas by advance escort, leap-frog, and truck methods.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Traffic police** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

6 min., sd., color, 16 mm.

*Summary:* Explains that effective traffic law enforcement depends upon trained personnel, and describes the various specializations required of police officers.

*Borrow from* PCTS. *Cleared for tv.*

**Trafficability** (*Motion picture*) U. S. Army Engineers, 1959.

20 min., sd., color, 16 mm.

*Summary:* Describes the procedures used in the trafficability studies made by the U. S. Army Engineer Waterways Experiment Station and the results of the studies. Shows typical scenes of tests in many parts of the world to determine the mobility of military vehicles on fine-grained soil, sand, and snow.

*Borrow from* Eng. *Cleared for tv.*

**Trailer 201** (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

40 min., sd., b&w, 16 mm.

*Summary:* Covers a trip from New York to Chicago on a large trailer truck, shows the work of the drivers, and explains the importance of such trucks in American transportation. Prepared for overseas use.

*Buy from* UWF.

**Trained and ready** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

13 min., sd., b&w, 16 mm.

Order no. SFP 457.

*Summary:* Shows the preparation for and completion of "Operation 16 Tons," the delivery of a million pounds of loran equipment to the Caribbean area by Air Force reservists.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Training aids** (*Motion picture*) U. S. Dept. of the Army, 1956.

23 min., sd., b&w, 16 mm. (Military instruction series, no. 3)

Order no. TF 21-2305.

*Summary:* Describes the types, characteristics, and uses of simple and complex training aids, including chalkboards, filmstrips, slides, transparencies, working models, and motion pictures.

*Borrow from* Army. *Buy from* UWF.

**Training aids: Classroom utilization** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

15 min., sd., b&w, 16 mm.

Order no. MN 6753-b.

*Summary:* How a good Navy instructor conducts a classroom lesson with the use of training aids.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Training aids: Selection and planning** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

16 min., sd., b&w, 16 mm.

Order no. MN 6753-a.

*Summary:* How a Navy instructor selects and plans the use of training aids; fits motion pictures, still pictures, charts, models, and mock-ups into his lesson plan; and checks classroom, equipment, and aids prior to use.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Training aids: Slides, large drawings, and transparencies** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

18 min., sd., color, 16 mm.

Order no. MN 6753-c.

*Summary:* Urges instructors to make their own 3¼ x 4" lantern slides, large drawings, and transparencies for use with the overhead projector. Explains the nature of the equipment and materials which are needed and the opportunities for preparing and using such training aids by naval instructors.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Training in operation plans between the ocean station vessel and a ditching plane** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

16 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)

Order no. MG 5380-b.

*Summary:* Shows the ditching of a plane at sea and coordination of the operation between the plane and a U. S. Coast Guard ocean station vessel.

*Borrow from* CG. *Cleared for tv.*

**Training of men** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

10 min., sd., b&w, 16 mm.

*Summary:* Portrays the work of the Etawah Extension Training School in India through the experiences of a student, at the school, in his practice teaching in an Indian village, and at graduation. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The training of the submarine medical officer** (*Motion picture*) U. S. Navy Dept., 1960. Made by Depicto Films.

38 min., sd., b&w, 16 mm.

Order no. MN 8842.

*Summary:* Shows the full range of assignments that the medical officer can expect when he enters the submarine service, from his initial training with his line-officer colleagues to his formal acceptance as a qualified submarine medical officer.

*Borrow from* Navy.

**Training war dogs: Basic exercises** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

22 min., sd., b&w, 16 mm.

Order no. TF 10-1256.

*Summary:* Shows how a dog is taught to heel, sit, lie down, come to attention, hurdle a three-and-a-half foot wall, and finally to relax.

*Borrow from* Army. *Buy from* UWF.

**Transfer molding: Molding a part with inserts** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.
10 min., sd., b&w, 16 mm. (Plastics series, no. 5)
Order no. OE 470.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How transfer molding differs from compression molding; how to mold a part by the transfer method; and coordinate the steps of the molding cycles.
*Buy from* UWF.

**Transfer molding: Molding a part with inserts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.
35 fr., b&w, 35 mm. (Plastics series, no. 5)
Order no. OE 470–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Transfer of a patient at sea** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
5 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG 5380–f.
*Summary:* Shows the transfer of a patient from a U. S. Coast Guard ocean station vessel to a small boat and thence to a search and rescue plane.
*Buy from* UWF. *Cleared for tv.*

**Transferring bees to movable-frame hives** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.
36 fr., b&w, 35 mm.
Order no. 616.
With lecture notes.
*Summary:* Shows the method of transferring bees from box hives and log "gums" to movable-frame hives.
*Buy from* PhotoLab.

**Transistors: High frequency operation—Amplifiers and oscillators** (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8479–e.
*Summary:* Describes how transistors operate in high frequency amplifiers and in oscillator circuits; shows the influence of transit effects in the base; explains collector capacitance and base resistance on high frequency performance.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Transistors: Low frequency amplifiers** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.
15 min., sd., b&w, 16 mm.
Order no. MN 8479–d.
*Summary:* Shows how transistors are used to amplify low frequencies in common base, common emitter, and common collector circuits. Explains transistor functions for a common base amplifier and a common emitter amplifier, and refined common emitter amplifier circuits.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Transistors: Minority carriers** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.
10 min., sd., b&w, 16 mm.
Order no. MN 8479–c.
*Summary:* Introduces the principle of minority carriers, shows how they produce a small reverse current under normal conditions, and demonstrates the limitations imposed on transistor behavior by minority carriers when the transistor is heated or loaded.
*Borrow from* Navy. *Buy from* UWF *Cleared for tv.*

**Transistors: P-N junction fundamentals** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.
11 min., sd., b&w, 16 mm.
Order no. MN 8479–a.
*Summary:* Explains the theory and mechanisms of semi-conductor diode and transistor action, and discusses the fundamental principles that apply to all transistors and junction rectifiers.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Transistors: Switching** (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., b&w, 16 mm.
Order no. MN 8479–f.
*Summary:* Shows examples of switching circuits in transistorized computers, explaining briefly the concept of digital computation and how transistors are used, and in more detail how a simple transistor switch works, with special attention to minority carrier storage in the base, showing how delaying effects of this storage are overcome.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Transistors: Triode fundamentals** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.
11 min., sd., b&w, 16 mm.
Order no. MN 8479–b.
*Summary:* Shows that junction transistors, or triodes, consist of three sections with two P–N junctions separating them, and discusses the fundamentals of this arrangement as an amplifying device.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Transit traverse for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1951.
25 min., sd., color, 16 mm.
*Summary:* Shows the organization of a typical mapping field party and the use of the transit and tape in traversing needed for proper horizontal control in topographic mapping.
*Borrow from* GS.

**Transition-flight investigation of a four-engine-transport vertical-take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.
5 min., si., b&w, 16 mm.
Order no. L–263.
*Summary:* Record of flight tests of a remotely controlled free-flight model in a full-scale wind tunnel to determine the stability and control characteristics of a concept of a four-engine vertically-rising transport. For technical personnel, to be used with NACA Technical note 4131: Transition-flight investigation of a four-engine-transport vertical-take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream.
*Borrow from* NASA.

**Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.
12 min., si., b&w, 16 mm.
*Summary:* Records the results of stability and control tests in a NACA full-scale tunnel of a remotely controlled free-flight model of a concept of a four-engine transport vertical-take-off airplane during the transition from hovering to normal forward flight. The model had four propellers distributed along wing with the thrust axes in the wing-chord plane. The wing could be rotated to 90° incidence so that the propeller thrust axes were vertical for hovering flight. For technical personnel to be used with NACA Technical note 3745: Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers.
*Borrow from* NASA.

**Transition phase; basic training, part 1** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
41 fr., b&w, 35 mm.
Order no. FS 1–890.
*Summary:* Describes the correct procedures for cockpit check, taxiing (including control positions during taxiing) take-off, turns after take-off, climbing turns, and leveling off. Explains the purpose and meaning of transition phase.
*Borrow from* AF.

**Transition phase; basic training, part 2** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
50 fr., b&w, 35 mm.
Order no. FS 1–891.
*Summary:* Describes procedures for medium turns, gliding turns, landings, coordination exercises, and steep turns.
*Borrow from* AF.

**Transition phase; basic training, part 3** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

55 fr., b&w, 35 mm.

Order no. FS 1-990.

*Summary:* Lists the factors influencing airspeed at which stalls occur, and describes procedures to recover from standard stalls, characteristic stalls (power off), rudder-controlled stalls (power on), and normal recovery stalls (with power on and power off)

*Borrow from* AF.

**The transition piece: Square to round layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

18 min., sd., b&w, 16 mm. (Shipbuilding skills series: Sheetmetal work)

Order no. MN 2339-d.

Supplementary filmstrip of same title also available.

*Summary:* Shows layout of the pattern on a single piece of metal after preliminary steps in making a scale drawing and template. Follows fabrication through forming and bending stages and mucking of the groove.

*Borrow from* Navy. *Buy from* UWF.

**Transition piece: Square to round layout and fabrication** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

45 fr., b&w, 35 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. SN 2339-p.

Supplements the motion picture of the same title.

*Borrow from* Navy. *Buy from* UWF.

**Transmissão das doenças** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

11 min., sd., color, 16 mm. (Saúde para as Américas)

Portuguese version of How disease travels.

*Summary:* Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Transmission, drive shaft, and differential** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

14 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 9)

Order no. OE 485.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to check the transmission gear shift mechanism, drive shaft, and differential; and test their running condition.

*Buy from* UWF.

**Transmission, drive shaft, and differential** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

33 fr., b&w, 35 mm. (Automotive operation and maintenance series. Preventive maintenance, no. 9)

Order no. OE 485-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Transmission of anthrax, animal to man** (*Filmstrip*) U. S. Public Health Service, 1954.

70 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. F 140.

*Summary:* By artist's sketches and clinical photographs shows historical references to anthrax, anthrax spores in imported animal products, the pattern of human anthrax infection, effective control measures, clinical appearance and response to treatment of two cases of human anthrax, appearance of anthrax lesions in 5 additional cases, number and distribution of reported cases of anthrax in the U. S.

*Borrow from* PHS. *Buy from* UWF.

**Transmission security** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., b&w, 16 mm. (Radio operator training series)

Order no. MN 2621-d.

*Summary:* Cautions radio operators against any actions which might reveal a location or aid the enemy in any way. Points out the danger in sneaking out messages, sending unauthorized messages, and cutting in.

*Borrow from* Navy. *Buy from* UWF.

**Transperitoneal bilateral lymphadenectomy for testis tumor** (*Motion picture*) U. S. Dept. of the Army, 1960.

12 min., sd., color, 16 mm.

Order no. PMF 5332.

*Summary:* Describes the various surgical techniques used for testis tumor and shows, in detail, the midline transperitoneal approach. Salient teaching points cover the techniques for making the incision and performing the dissection.

*Borrow from* Army.

**Transplantation and anastomosis of radial nerve** (*Motion picture*) U. S. Dept. of the Army, 1948.

9 min., sd., color, 16 mm.

Order no. PMF 5081.

*Summary:* Shows the case of a severed left radial nerve which was sutured, but in which recovery failed to ensue. Gives clinical findings, plus technique used in effecting repair. For medical personnel.

*Borrow from* Army. *Buy from* UWF.

**Transplanting hen's ova** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

9 min., sd., color, 16 mm.

*Summary:* Shows the operation of transplanting unfertilized eggs from one hen to another, where the eggs are subsequently fertilized, laid, and hatched in the normal manner.

*Rent from* DA film libraries. *Buy from* UWF.

**Transportation and evacuation of casualties in a Marine division** (*Motion picture*) U. S. Dept. of the Navy, 1952.

17 min., sd., b&w, 16 mm.

Order no. MN 7334.

*Summary:* Explains evacuation of casualty methods and principles. Shows how certain problems of evacuation of casualties have been overcome and how the principle of flexibility can be applied to meet new situations.

*Borrow from* Navy.

**Transportation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

26 min., sd., b&w, 16 mm.

Order no. TF 8-1705.

*Summary:* Shows methods used in transporting wounded personnel from the combat area to medical installations for treatment.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Transportation of missiles** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

25 min., sd., color, 16 mm.

Order no. SFP 596.

*Summary:* Emphasizes the importance of speed in transporting missiles and support equipment as a governing factor in military reaction time potential. Presents the magnitude of problems involved, compares United States air transports with Soviet aircraft, and portrays the role of the Military Air Transport Service.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Transthoracic repair of sliding hiatal hernia** (*Motion picture*) U. S. Veterans Administration, 1955.

14 min., si. at sd. speed, color, 16 mm.

*Summary:* Illustrates the Allison technic for the repair of a sliding hiatal hernia, using the transthoracic and transdiaphragmatic approach. Includes anatomical drawings of the mechanism of the development of a sliding hiatal hernia and the details of repair. Shows preoperative and postoperative roentgenograms of the patient.

*Borrow from* VA.

**Trapped** (*Motion picture*) U. S. Federal Civil Defense Administration, 1954.
20 min., sd., b&w, 16 mm.
Adaptation of the Swedish film entitled Räddning av instängda under bombade hus.
*Summary:* Emphasizes the need for trained rescue workers by showing the risks of rescue, special techniques required to rescue trapped casualties, searching in collapsed structures, digging through rubble, tunnelling through shifting masses of debris, and wall-breeching.
*Borrow from* OCDM. *Buy from* DA. *Cleared for tv.*

Travail à la dégauchisseuse
see Usinage précis du bois. Travail à la dégauchisseuse

Travail à la ponceuse
see Usinage précis du bois. Travail à la ponceuse

Travail à la raboteuse sur une face
see Usinage précis du bois. Travail à la raboteuse sur une face

Travail à la scie à ruban
see Usinage précis du bois. Travail à la scie à ruban

Travail à la scie combinée
see Usinage précis du bois. Travail à la scie combinée

Travail à la toupie
see Usinage précis du bois. Travail à la toupie

**Traversing** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
71 fr., b&w, 35 mm. (Surveying series)
Order no. FS 5-77.
*Summary:* Explains how to run a traverse by interior angles, prolong a straight line, run a traverse by deflection angles, and make graphic adjustments of a traverse.
*Borrow from* Army. *Buy from* UWF.

**Treasure trove of jade** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.
37 min., sd., color, 16 mm.
*Summary:* Record of an archeological expedition, sponsored by the National Geographic Society and the Smithsonian Institution, to Vera Cruz, and of its discoveries, including a large number of jade objects.
*Buy from* UWF.

**Treatment for paresis of the superior oblique** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., color, 16 mm. (Eye surgery series)
Order no. MN 2477-a.
*Summary:* Shows the actual operation performed on a patient with general anesthesia; demonstrates how the lid is depressed, the eyeball incised, and how the tendons are tied. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Treatment of aneurysms of peripheral arteries** (*Motion picture*) U. S. Veterans Administration, 1956.
10 min., sd., color, 16 mm.
*Summary:* Describes two cases illustrating the treatment of arteriosclerotic and traumatic aneurysms of the femoral and popliteal arteries. In one, a large aneurysm of the common femoral artery is excised and replaced with a homograft. In the other, an arteriovenous aneurysm of the popliteal artery, resulting from a shrapnel wound incurred in World War II, is excised and arterial continuity restored by end-to-end anastomosis.
*Borrow from* VA.

**Treatment of jaw fractures** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.
33 min., si., color, 16 mm.
Order no. MN 1053.
*Summary:* Demonstrates how to apply several kinds of jaw splints including extra-oral fixations with vulcanite attachment. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Tree bank** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
13 min., sd., color, 16 mm.
*Summary:* Explains how tree planting fits into the Dept. of Agriculture's soil bank program; illustrates the values of trees in conserving soil and water, providing shelter for wildlife and recreational opportunities for the farm family, and as a source of additional farm income; and shows nursery and tree-planting practices and types of cropland eligible for tree planting under the conservation reserve of the soil bank.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**A tree grows for Christmas** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
11 min., sd., color, 16 mm.
*Summary:* Tells the story of the Christmas tree in history and legend and of the Christmas tree industry today; shows how trees are cut and marketed, and how a tree should be handled in the home.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**A tree grows for Christmas** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
7 min., sd., b&w, 16 mm.
Short version of 1949 film with same title.
*Summary:* Tells the story of the Christmas tree in legend and how the trees are cut and marketed. For television use.
*Borrow from* DA-MPS. *Cleared for tv.*

**A tree is born** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
29 min., sd., color, 16 mm.
*Summary:* Presents the techniques being used by Forest Service researchers in producing hybrid pines through controlled pollination. Shows, through the use of time-lapse photography, a pine cone opening, and tree seeds germinating and growing.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Tree planting and land use** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.
54 fr., b&w, 35 mm.
Order no. 620.
With lecture notes.
*Summary:* Shows how mistakes in land use result in loss of yields and soil; how to restore ruined land with plantings adapted to sites, and how to care for such plantings.
*Buy from* PhotoLab.

**Trees** (*Motion picture*) U. S. Dept. of Agriculture, 1958.
10 sec., sd., b&w, 16 mm. (Smokey Bear forest fire prevention, series 6, no. 6)
*Summary:* An animated cartoon in which a little boy protects his forest friends—the trees and the forest animals—by helping Smokey Bear prevent forest fires. For television use.
*Rent from* DA film libraries. *Cleared for tv.*

**Trees take time** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
20 sec., sd., color, 16 mm. (Smokey Bear forest fire prevention, series 5, no. 4)
*Summary:* An animated cartoon in which Smokey Bear discusses with a little boy the disastrous effects of forest fires. For television use.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**Trench foot** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., color, 16 mm. (Medicine in action series, no. 6)
Order no. MN 372[illegible]-f.
*Summary:* Shows the clinical condition and treatment of trench foot by the U. S. Army in the Italian theater in 1945. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Triangulation for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1953.
30 min., sd., color, 16 mm.
*Summary:* Shows the equipment and techniques used by the U. S. Geological Survey, in terrain of considerable relief, for triangulation to determine positions of third-order accuracy for basic horizontal control. Explains by animation the principles of triangulation, and follows the operations of a field party.
*Borrow from* GS.

**Trichinosis, a disease easily prevented** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
31 fr., b&w, 35 mm.
Order no. 573.
With lecture notes.
*Summary:* Shows stages in the development of the parasite, trichina; explains the disease, trichinosis—its causes, spread, and prevention.
*Buy from* PhotoLab.

**Trickling filter plants** (*Filmstrip*) U. S. Public Health Service, 1950.
94 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 9 min. (Municipal sewage treatment plants, no. 3)
Order no. 5–159.
Made principally from pictures in the slide set released under the title Trickling filter process (order no. 9–083.4)
*Summary:* Pictures and describes units, structures, and details of equipment used in the operation of trickling filter plants, showing biological aspects of sewage treatment processes.
*Borrow from* PHS. *Buy from* UWF.

**Trigger squeeze, M1 rifle** (*Motion picture*) U. S. Dept. of the Army, 1955.
5 min., sd., b&w, 16 mm.
Order no. TF 7–2202.
*Summary:* Explains the correct method of squeezing the trigger of the M1 rifle, including grasp of rifle, position of fingers, breathing, sight alignment, and trigger squeeze. Emphasizes that proper trigger squeeze is necessary for accurate fire.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Trinity River Basin** (*Motion picture*) U. S. Army Engineers, 1956.
14 min., sd., color, 16 mm.
*Summary:* Shows problems encountered along the Trinity River of eastern Texas as the people of the valley plan to work with the Army's Corps of Engineers for a comprehensive development of the basin.
*Borrow from* Eng. *Cleared for tv.*

**The triode: Amplification** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
14 min., sd., b&w, 16 mm. (Engineering series. Electronics, no. 3)
Order no. OE 177.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Principles of the diode and triode; electric fields; a triode amplifier circuit; amplification of D. C. voltage changes; alternating voltages; distortion; amplification of audio frequency signals.
*Buy from* UWF.

**The triode: Amplification** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.
36 fr., b&w, 35 mm. (Engineering series. Electronics, no. 3)
Order no. OE 177–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The triple threat of brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
27 min., sd., color, 16 mm.
*Summary:* Explains the incidence of brucellosis in the U. S. and emphasizes the threat of this disease to cattle, swine, and human beings; shows the nature of brucellosis and its infection of animals and humans; and recommends four methods of control.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Troop information and education in the field** (*Motion picture*) U. S. Dept. of the Army, 1953.
17 min., sd., b&w, 16 mm.
Order no. MF 20–7979.
*Summary:* Explains the activities and services of the U. S. Army Troop Information and Education Division in keeping soldiers in the field informed on current events and assisting them in furthering their education.
*Borrow from* Army. *Cleared for tv.*

**Troop train** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
*Summary:* Shows the movement across the country in 1943 of the 201st Armored Division.
*Buy from* UWF.

**Trouble shooting problems: Fuel induction** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
17 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 276.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to trouble shoot the fuel system for failure to develop full power, for rough running at idling speed, and for overheating.
*Buy from* UWF.

**Trouble shooting problems: Fuel induction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
48 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 276–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Trouble shooting problems: Ignition** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
19 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 275.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to locate trouble within the ignition system when an engine fails to start, when it runs rough, and when it fails to develop full power.
*Buy from* UWF.

**Trouble shooting problems: Ignition** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
52 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 275–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Trouble shooting problems: Mechanical and lubrication** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
10 min., sd., b&w, 16 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 274.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to check symptoms and locate causes of an airplane engine's running "rough," of low oil pressure, and of high oil temperature.
*Buy from* UWF.

**Trouble shooting problems: Mechanical and lubrication** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.
46 fr., b&w, 35 mm. (Aircraft work series. Power plant maintenance)
Order no. OE 274-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Trouble shooting your car** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
12 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 5)
Order no. OE 490.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* What a driver should do to locate and correct minor car troubles; and how to recognize symptoms of impending trouble.
*Buy from* UWF.

**Trouble shooting your car** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
29 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 5)
Order no. OE 490-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**A true standards** (*Motion picture*) U. S. National Bureau of Standards, 1954.
12 min., sd., color, 16 mm.
*Summary:* Shows the importance of accurate standard weights and precise weighing techniques, and illustrates certain activities of the Federal, State and local governments in weights and measures administration. Tells, in story form, the step-by-step relationship between the international standard of mass and the test weighs used by an inspector in testing store scales, and shows how accuracy is maintained in commercial weighing.
*Borrow from* NBS. *Buy from* NBS. *Cleared from tr.*

**Truing balance wheels** (*Motion picture*) U. S. Veterans Administration, 1949.
7 min., sd., b&w, 16 mm. (Light mechanics series, no. 10)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Shows how to recognize and correct a balance wheel which does not run true, including the use of calipers, bending the wheel, using a wrench, and cleaning the balance wheel.
*Borrow from* VA. *Buy from* UWF.

**Truly yours: The dress that fits** (*Motion picture*) U. S. Dept. of Agriculture, 1949.
18 min., sd., color, 16 mm.
*Summary:* Shows the fitting points to check when buying ready-made dresses, and how to make necessary alterations at home. Explains the most commonly needed alterations for the tall-slender, medium-stout, and short-plump types of figures.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Tsutsugamushi: Prevention** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.
28 min., sd., b&w, 16 mm.
Order no. MN 5041-a.
*Summary:* Describes the nature of tsutsugamushi, symptoms of the disease, and preventive measures.
*Borrow from* Navy. *Buy from* UWF.

**Tube and shape bending** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.
14 min., sd., b&w, 16 mm. (How to form aluminum series)
Order no. 206.
*Summary:* Explains hand bending, bending by power machines, cold and hot bending of aluminum.
*Borrow from* BM. *Cleared for tv.*

**Tube bending by hand** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.
15 min., sd., b&w, 16 mm. (Aircraft work series)
Order no. OE 142.
Supplemented by filmstrip of the same title.
With instructor's manual.
*Summary:* Why tubes must be bent for installation in airplanes; how to set up the tube bending machine for the job; and how the various parts of the machine function.
*Buy from* UWF.

**Tube bending by hand** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.
38 fr., b&w, 35 mm. (Aircraft work series)
Order no. OE 142-fs.
Supplements motion picture of same title.
With instructor's manual.
*Buy from* UWF.

**Tube tester operation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
9 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540-p.
*Summary:* How to use testers to check cathode emission and dynamic mutual conductance of tubes.
*Borrow from* Navy. *Buy from* UWF.

**Tuberculin testing** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.
10 min., sd., color, 16 mm.
Order no. MN 8951.
*Summary:* Demonstrates the procedures for administering and interpreting the PPD tuberculin test.
*Borrow from* Navy.

**A tuberculose** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm. (Saúde para as Américas)
Portuguese version of Tuberculosis.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Tuberculosis** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm. (Health for the Americas series)
*Summary:* Explains the cause, symptoms, and transmission of tuberculosis; and emphasizes that the disease is controllable and curable. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**La tuberculosis** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm. (Salud para las Américas)
Spanish version of Tuberculosis.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Tuesday in November** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.
22 min., sd., b&w, 16 mm. (American scene series, no. 13)
*Summary:* Portrays the 1944 presidential election from the preelection nominating conventions through the party campaigns to election day in November. Explains the organization and structure of government in the United States.
*Buy from* UWF.

**Tulsa, Oklahoma** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1950.
20 min., sd., b&w, 16 mm.
*Summary:* Depicts the history of the city of Tulsa, Okla. Produced for use in occupied areas.
*Buy from* UWF. *Cleared for tr. Prior authorization required.*

**Tuned circuits** (*Motion picture*) U. S. Dept. of the Army, 1954.
28 min., sd., b&w, 16 mm.
Order no. TF 11-1831.
*Summary:* Explains the theories behind the electronics of tuned circuits and the application of these theories to a practical radio receiver layout and to a radio transmitter.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Tuning** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.
27 fr., b&w, 35 mm.
Order no. SN 649.
*Summary:* Describes the theory of tuning a radio circuit.
*Borrow from* Navy. *Buy from* UWF.

**Turbine operation** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
80 fr., b&w, 35 mm.
Order no. SCG 178-a, formerly SG 1779-b.
*Summary:* Shows the procedures for operating a ship's main turbine.
*Buy from* UWF.

**Turboprop/turboshaft engines: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1959.
13 min., sd., color, 16 mm.
Order no. MN 8812-a.
*Summary:* Outlines the theory of operation of turboprop and turboshaft engines with comparison to the turbojet engine. Shows testing and assembly of engine components in manufacture and the maintenance and operation of the engines.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tr.*

**Turbulence** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.
51 fr., b&w, 35 mm.
Order no. SF 1-2525.
*Summary:* Describes three types of turbulence; their causes and associated hazards; and flight procedures in regions of turbulence.
*Borrow from* AF. *Buy from* UWF.

**Turkey** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.
17 min., sd., b&w, 16 mm.
Order no. AFIF 31.
*Summary:* Explains the political, social, economic, and industrial significance of Turkey, and its importance in the North Atlantic Treaty Organization. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Cleared for tv.*

**Turning a cylinder between centers** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
17 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 1)
Order no. OE 313.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to choose and center stock for a job; mount stock in the wood lathe for turning between centers; use the parting tool and the skew chisel; and sand turning work.
*Buy from* UWF.

**Turning a cylinder between centers** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
46 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 1)
Order no. OE 313-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Turning a cylinder between centers
see also
Tournage d'un cylindre entre les pointes

**Turning a taper with the tailstock set over** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 6)
Order no. OE 44.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to calculate tailstock offset for cutting tapers; offset the tailstock; and turn a taper with the tailstock set over.
*Buy from* UWF.

**Turning a taper with the tailstock set over** (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.
54 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 6)
Order no. OE 44-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off** (*Motion picture*) U. S. Veterans Administration, 1949.
6 min., sd., b&w, 16 mm. (Light mechanics series, no. 5)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to use a graver in turning, facing, and chamfering a brass dowel.
*Borrow from* VA. *Buy from* UWF.

**Turning brass with hand gravers. Part 2: Turning straight and square shoulders** (*Motion picture*) U. S. Veterans Administration, 1949.
5 min., sd., b&w, 16 mm. (Light mechanics series, no. 6)
Supplements the film released in 1949 with the title Prescription for work.
*Summary:* Demonstrates how to use a graver in reducing the diameter of brass wire and in squaring the shoulder.
*Borrow from* VA. *Buy from* UWF.

Turning, facing, chamfering, cut-off
see Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off

Turning straight and square shoulders
see Turning brass with hand gravers. Part 2: Turning straight and square shoulders

**Turning taper work** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
12 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 2)
Order no. OE 314.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to center cylindrical wood stock for spindle turning; make clearance cuts; establish the diameters of a taper; turn a single taper; establish diameters for turning two tapers from a single piece of stock; and turn the tapers.
*Buy from* UWF.

**Turning taper work** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
49 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 2)
Order no. OE 314-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Turning the tide** (*Motion picture*) U. S. Dept. of Defense, 1950.
22 min., sd., b&w, 16 mm.
Order no. CB 102.
*Summary:* Military operations in Korea from August 10 to September 20, 1950.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Turning work held on a fixture** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 10)
Order no. OE 58.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount an irregularly shaped casting which cannot be held in a chuck; mount and center the fixture on a lathe; select and mount the tools; and turn, face, bore, counterbore, and ream the surfaces of a valve bonnet.
*Buy from* UWF.

**Turning work held on a fixture** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.
34 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 10)
Order no. OE 58–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Turning work held on a fixture
see also
Torneo de uma peça fixa num suporte
Torneo de una pieza fija en un sostén

**Turning work held on a mandrel** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.
20 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 13)
Order no. OE 61.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Description and uses of a mandrel; how to fit the mandrel into the workpiece; cut a bevel, using the compound rest; calculate speed and feed; and set the controls.
*Buy from* UWF.

**Turning work held on a mandrel** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.
28 fr., b&w, 31 mm. (Machine shop work series. Operations on the engine lathe, no. 13)
Order no. OE 61–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Turning work held on a mandrel
see also
Torneo de uma peça no mandril
Torneo de una pieza en el mandril

**Turning work in a chuck** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
15 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 4)
Order no. OE 316.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to mount work on a face plate; turn one face of the work; make a chuck for the opposite face; fit the finished face to the chuck; turn the second face; and remove rechucked work from the chuck.
*Buy from* UWF.

**Turning work in a chuck** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
38 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 4)
Order no. OE 316–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Turning work in a chuck
see also
Tournage en mandrin

**Turning work of two diameters** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.
14 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 2)
Order no. OE 7.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to use roughing, finishing, facing, and radius tools; rough-turn and finish-turn a workpiece having two diameters; face a workpiece; and machine fillets.
*Buy from* UWF.

**Turning work of two diameters** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
34 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 2)
Order no. OE 7–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Turning work on a face plate** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.
15 min., sd., b&w, 16 mm. (Precision wood machining series. Operations on the wood lathe, no. 3)
Order no. OE 315.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Types of face plates; how to attach the stock to the face plate; true up the work; scribe the work for inside turning; use the roundnose and diamond point chisels; and smooth the bottom of the recess.
*Buy from* UWF.

**Turning work on a face plate** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.
48 fr., b&w, 35 mm. (Precision wood machining series. Operations on the wood lathe, no. 3)
Order no. OE 315–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Turning work on a face plate
see also
Tournage sur plateau

**The turret lathe, an introduction** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
17 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the turret lathe, no. 1)
Order no. OE 212.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Functions of the head, hexagon turret, square turret, and bed; how to determine the sequence of operations; take a multiple cut; and combine cuts from the hexagon and square turrets.
*Buy from* UWF.

**The turret lathe, an introduction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.
30 fr., b&w, 35 mm. (Machine shop work series. Operations on the turret lathe, no. 1)
Order no. OE 212-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Twelve nations sign North Atlantic pact** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.
14 min., sd., b&w, 16 mm.
Order no. MF 45-7563.
*Summary:* Depicts the signing of the North Atlantic treaty, with Secretary of State Acheson and President Truman explaining the purpose of the pact and the mutual benefits to member nations.
*Borrow from* Army. *Cleared for tv.*

**24 hour alert** (*Motion picture*) U. S. Dept. of the Air Force, 1956.
32 min., sd., color, 16 mm.
Order no. SFP 410.
*Summary:* Dramatizes the story of a town that objects to the noise of a nearby jet air base and the change of attitude of the mayor after he learns of the services and importance of a "24 hour alert."
*Borrow from* AF. *Cleared for tv.*

**29th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.
19 min., sd., b&w, 16 mm.
Order no. MF 130-7554.
*Summary:* History of the activities of the 29th Infantry Division from training camp to Germany. Shows amphibious maneuvers in England, and combat operations in Normandy, St. Lo, Brest, and Germany.
*Borrowed from* Army. *Cleared for tv.*

**27th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.
20 min., sd., b&w, 16 mm.
Order no. MF 130-7929.
*Summary:* Reviews the history of the 27th Infantry Division, particularly its part in the campaigns of Makin, Eniwetok, Saipan, and Okinawa during World War II.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The Twenty-sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1952.
16 min., sd., b&w, 16 mm.
Order no. MF 130-7872.
*Summary:* Reviews briefly the origin of the Twenty-sixth Infantry Division in 1917, and covers in detail its activites and achievements in World War II.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Two half hitches and a round turn** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
3 min., sd., b&w, 16 mm.
Order no. MCG 302, formerly MG 2318-a.
Supplementary filmstrip of same title also available.
*Summary:* Explains why a round turn and two half hitches are used for mooring small craft; and demonstrates the procedure for making the tie.
*Buy from* UWF.

**Two half hitches and a round turn** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
31 fr., b&w, 35 mm.
Order no. SCG 302, formerly SG 2318-b.
Supplements motion picture of same title.
*Summary:* Shows how to tie and untie a round turn and two half hitches.
*Buy from* UWF.

**Two hats** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
28 min., sd., color, 16 mm.
Order no. SFP 663.
*Summary:* Describes how U. S. Air Force Reservists and Air National Guardsmen—civilians from all walks of life—help put out a simulated brush war in Exercise Dark Cloud/Pine Cone and prove that they are trained and ready to perform their vital functions should war come.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Types of damaged kernels and other conditions** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.
33 double fr., color, 35 mm.
Order no. C-10.
*Summary:* Explains the classification of corn and soybeans, and shows various types of damaged kernels found in commercial lots of wheat, corn, and soybeans.
*Buy from* PhotoLab

**The typhoid carrier** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
*Summary:* Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.
*Buy from* UWF. *Cleared for tv.*

The typhoid carrier
see also
Febre tifóide
La tifoidea

Typhus control series
see
Identification of come common sucking lice

**Typhus in Naples** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
11 min., sd., color, 16 mm. (Medicine in action series, no. 2)
Order no. MN 3726-b.
*Summary:* Covers typhus epidemic in Naples during the winter of 1943-44 and how it was checked by proper control methods. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Typical television interference patterns** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
11 min., sd., b&w, 16 mm.
*Summary:* Demonstrates and discusses types of television interference patterns most noticeable on TV receivers. Primarily for technical personnel.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Typing of tubercle bacilli by animal inoculation** (*Motion picture*) U. S. Public Health Service, 1950.
14 min., sd., b&w, 16 mm. (Laboratory diagnosis of tuberculosis, no. 4)
Order no. 4-089.4.
Filmstrip of the same title also available.
*Summary:* Demonstrates a technique for the typing and determination of virulence of tuberculosis cultures by animal inoculation; and shows how the cultures are standardized and diluted to insure the validity of the results of such typing.
*Borrow from* PHS. *Buy from* UWF.

**Typing of tubercle bacilli by animal inoculation** (*Filmstrip*) U. S. Public Health Service, 1950.
58 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 7 min. (Laboratory diagnosis of tuberculosis, no. 4)
Order no. 5-123.4.
Motion picture with same title also available.
*Borrow from* PHS.

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**UCLA** (*Motion picture*) U. S. Dept. of State, 1948. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

44 min., sd., b&w, 16 mm.

*Summary:* Shows student life, student government, athletics, social events, classroom activities, and academic opportunities in American colleges and universities, as illustrated by the University of California at Los Angeles. Prepared for overseas use.

*Buy from UWF.*

**UN counterattack** (*Motion picture*) U. S. Dept. of Defense, 1951.

17 min., sd., b&w, 16 mm.

Order no. CB 111.

*Summary:* Military operations in Korea from May 20 to June 20, 1951.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**UNESCO and Japan** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

10 min., sd., b&w, 16 mm.

*Summary:* Explains the functions and operations of the United Nations Educational, Scientific and Cultural Organization, with special reference to its meaning for the Japanese people. Prepared for use in occupied areas, particularly in Japan.

*Buy from UWF.*

**UN forces consolidate below 38th parallel** (*Motion picture*) U. S. Dept. of Defense, 1951.

20 min., sd., b&w, 16 mm.

Order no. CB 106.

*Summary:* Military operations in Korea from December 20, 1950, to January 20, 1951.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**UN forces cross the 38th parallel** (*Motion picture*) U. S. Dept. of Defense, 1951.

19 min., sd., b&w, 16 mm.

Order no. CB 109.

*Summary:* Military operations in Korea from March 20 to April 20, 1951.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**UN forces escape trap** (*Motion picture*) U. S. Dept. of Defense, 1951.

16 min., sd., b&w, 16 mm.

Order no. CB 105.

*Summary:* Military operations in Korea from November 20 to December 20, 1950.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**UN forces move north** (*Motion picture*) U. S. Dept. of Defense, 1951.

17 min., sd., b&w, 16 mm.

Order no. CB 107.

*Summary:* Military operations in Korea from January 20 to February 20, 1951.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**UN offensive** (*Motion picture*) U. S. Dept. of Defense, 1950.

21 min., sd., b&w, 16 mm.

Order no. CB 106.

*Summary:* Military operations in Korea from September 20 to October 20, 1950.

*Borrow from Army. Buy from UWF.*

**UN offensive continues** (*Motion picture*) U. S. Dept. of Defense, 1951.

18 min., sd., b&w, 16 mm.

Order no. CB 108.

*Summary:* Military operations in Korea from February 20 to March 20, 1951.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**USAF Flight Test School** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

19 min., sd., color, 16 mm.

Order no. SFP 419.

*Summary:* Describes enrollment prerequisites, curriculum, and objectives of the USAF Flight Test School, an Air Research and Development Command activity at Edwards AFB, California.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**The USAF maintenance management improvement program** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

20 min., sd., b&w, 16 mm.

Order no. SFP 541.

*Summary:* Traces the processing of an emergency maintenance request by the Installations-Engineer Office of a typical air base to illustrate the maintenance management improvement program of the Air Force.

*Borrow from AF. Buy from UWF. Cleared for tv.*

**The U. S. Army medical team** (*Motion picture*) U. S. Dept. of the Army, 1955.

15 min., sd., b&w, 16 mm.

Order no. MF 20-8422.

*Summary:* Explains the mission and functions of the various departments in the Medical Corps, and the advantages of a medical career in the Army. Designed primarily for Army medical recruitment.

*Borrow from Army. Buy from UWF. Cleared for tv.*

**U. S. Army service clubs** (*Filmstrip*) U. S. Dept. of the Army, 1954.

69 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 12 min.

Order no. SFS 12-18.

*Summary:* Explains the functions and responsibilities of the service clubs of the U. S. Army.

*Borrow from Army.*

**U. S. forces in Europe** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.

17 min., sd., b&w, 16 mm.

Order no. AFSR 127.

*Summary:* Explains why U. S. soldiers, sailors, and airmen are in Europe, and describes U. S. efforts in rehabilitating the German people as contrasted with activities of the Russian occupation forces.

*Borrow from Army.*

**U. S. Marine Air Reserve recruiting TV trailer no. 1** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

5 motion pictures on 1 reel, sd., b&w, 16 mm.

Order nos. MH 7915 a-e.

CONTENTS.—1. Sports. 49 sec.—2. Officer procurement. 51 sec.—3. Marine Corps Reserve. 55 sec.—4. Marine Air Reserve, part 1. 25 sec.—5. Marine Air Reserve, part 2. 30 sec.

*Borrow from Navy. Cleared for tv.*

**U. S. naval Arctic operations: Construction** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.

21 min., sd., color, 16 mm.

Order no. MN 5377-e.

*Summary:* Problems encountered in construction work in the Arctic and how such problems have been solved.

*Borrow from Navy. Buy from UWF.*

**U. S. naval Arctic operations: Equipment** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education.

22 min., sd., color, 16 mm.

Order no. MN 5377-d.

*Summary:* Types of equipment used in construction and transportation in the Arctic, with modification and maintenance necessary for efficient operation.

*Borrow from Navy. Buy from UWF.*

**U. S. naval Arctic operations: Exploring for oil** (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., color, 16 mm.
Order no. MN 5377–c.
*Summary:* Geological and geophysical methods of exploring for oil in the Arctic; surveying by means of aerial magnetometer, gravity meter, and seismograph; techniques of core hole drilling and deep test well drilling.
*Borrow from* Navy. *Buy from* UWF.

**U. S. naval Arctic operations: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.
22 min., sd., color, 16 mm.
Order no. MN 5377–a.
*Summary:* Discusses general topography and climate of northern Alaska in summer and winter; problems of adequate clothing, food, and transportation as met by the Eskimos and White man.
*Borrow from* Navy. *Buy from* UWF.

**U. S. naval Arctic operations: Logistics** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.
33 min., sd., color, 16 mm.
Order no. MN 5377–b.
*Summary:* Methods of logistic support of base camp, Point Barrow, Alaska; procedures for unloading and warehousing material in the Arctic; function of base camp and methods employed in logistic support of satellite camps and mobile field parties with the Petroleum Reserve.
*Borrow from* Navy. *Buy from* UWF.

**U. S. Naval Civil Engineering Laboratory** (*Motion picture*) U. S. Dept. of the Navy, 1959.
17 min., sd., color, 16 mm.
Order no. MN 8800.
*Summary:* Portrays scientific and technical information on the operation and functions of the U. S. Naval Civil Engineering Laboratory at Port Hueneme, California.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**U. S. Naval Reserve: Air Naval Reserve, the weekend warriors** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.
13 min., sd., b&w, 16 mm.
Order no. MN 6827–a.
*Summary:* Traces the experience of a reservist from boot training to his first cruise aboard a carrier.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**U. S. Naval Reserve: Submarine Naval Reserve** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Princeton Film Center.
14 min., sd., b&w, 16 mm.
Order no. MN 6827–c.
*Summary:* Portrays the enlistment of a young man into the Submarine Naval Reserve; follows his experiences during two summer cruises; and explains the physical and psychological characteristics required of submarine crews. Designed primarily for recruiting purposes.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**U. S. Naval Reserve: The surface reserve** (*Motion picture*) U. S. Dept. of the Navy, 1950.
14 min., sd., b&w, 16 mm.
Order no. MN 6827–b.
*Summary:* Explains the training and courses in the U. S. Naval Reserve, and shows some of the experiences of reservists during an annual two-week cruise.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The U. S. Naval Test Pilot School** (*Motion picture*) U. S. Dept. of the Navy, 1959.
13 min., sd., color, 16 mm.
Order no. MN 8613.
*Summary:* Shows the academic and flying curriculum of a student test pilot as he goes through the Test Pilot School and the tests which he will be taking in one of the form-test divisions at NATC and in the fleet.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**U. S. Navy armored life jacket** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
7 min., sd., b&w, 16 mm.
Order no. MN 9026.
*Summary:* Demonstrates how a bullet-proof fabric material called Doran can be used to protect Navy personnel against small arms fire.
*Borrow from* Navy. *Buy from* UWF.

**U. S. S. Forrestal (CVA–59)** (*Motion picture*) U. S. Dept. of the Navy, 1956.
21 min., sd., b&w, 16 mm.
Order no. MN 8087.
*Summary:* Describes the construction of a modern aircraft carrier from keel laying to actual sea trials and final commissioning.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**USS Nautilus: Operation sunshine** (*Motion picture*) U. S. Dept. of the Navy, 1959.
14 min., sd., color, 16 mm.
Order no. MN 8936.
*Summary:* Shows events leading up to and during the actual polar passage of the USS Nautilus.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**U. S. standards for quality of eggs** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
39 double fr., color, 35 mm.
Order no. C–53.
With lecture notes.
*Summary:* Illustrates the candled appearance of the official U. S. standards for various grades of both white and brown eggs and shows the four qualities of uncooked, poached, fried and hard-cooked eggs. Intended primarily for those interested in producing, processing, grading, and packing eggs.
*Buy from* PhotoLab.

**U. S. standards for quality of ready-to-cook poultry** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
53 double fr., color, 35 mm.
Order no. C–59.
With lecture notes.
*Summary:* Illustrates the U. S. standards of quality for stewing chickens, young chickens, and turkeys. Shows the factors of fleshing and fat cover, examples of protruding pin feathers, and several types of bruises. Intended as a teaching aid and for use of poultry graders.
*Buy from* PhotoLab.

**U. S. weapons in combat** (*Motion picture*) U. S. Dept. of the Army, 1953.
15 min., sd., b&w, 16 mm.
Order no. MF 33–7927.
*Summary:* Portrays weapons supplied by the United States to NATO (North Atlantic Treaty Organization) nations under the Mutual defense assistance program.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Ulnar nerve and soft tissue defect and simultaneous repair in the forearm** (*Motion picture*) U. S. Dept. of the Army, 1950.
10 min., sd., color, 16 mm.
Order no. PMF 5133.
*Summary:* Uses a clinical case to demonstrate a method of accomplishing the simultaneous repair of a soft tissue defect and ulnar nerve defect in the forearm. For medical personnel.
*Borrow from* Army.

**Uncle Sam goes to the trade fairs** (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1958.
14 min., sd., color, 16 mm.
*Summary:* Describes United States participation in international trade fairs and shows scenes of the exhibits presented at the 1957 fairs in Tokyo, Casablanca, Milan, Paris, and Poznan.
*Borrow from* DC-OTF.

**Uncommon valor** (*Motion picture*) U. S. Dept. of the Navy, 1952.
8 min., sd., b&w, 16 mm.
Order no. MH 7331.
*Summary:* Presents the story of the statue, Flag Raising on Iwo Jima, created by Felix de Weldon. Contains scenes of the 1945 landing on Iwo Jima, the original photograph of the flag raising, the sculptor at work, the statue and its unveiling at Quantico.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Undersnow structures** (*Motion picture*) U. S. Army Engineers, 1958.
14 min., sd., color, 16 mm.
*Summary:* Describes some of the problems encountered in the building of structures in deep snow, and shows actual construction of several types of undersnow structures on the Greenland ice cap.
*Borrow from* Eng. *Cleared for tv.*

**Understanding the physical world through measurement** (*Motion picture*) U. S. National Bureau of Standards, 1957.
33 min., sd., color, 16 mm.
*Summary:* Lecture demonstration of the historical development of means for utilizing energy sources from the steam engine to uranium fission. Includes transformations between potential and kinetic energy, and between mechanical, chemical, heat, and other forms of energy. Emphasizes the important part played by physical measurement in those scientific discoveries which have opened up new sources of energy to mankind.
*Borrow from* NBS.

**Uniform code of military justice** (*Motion picture*) U. S. Dept. of the Army, 1954. Released for public educational use, 1956.
45 min., sd., b&w, 16 mm.
Order no. TF 15–1920.
*Summary:* Discusses the origin of the articles of war; the purpose, composition, various types, and procedure of courts-martial; stages of review up to the Court of Military Appeals; comparison of the unique quality of military and civilian conduct; the articles of the code; punitive crimes; and the honorable discharge.
*Borrow from* Army.

Uniform code of military justice series
see
The code and you
Non-judicial punishment
Special court martial
Summary court martial

**Uniform traffic laws** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.
5 min., sd., color, 16 mm.
*Summary:* Explains the importance of uniform traffic laws from State to State, and shows how differences in such laws can contribute to accidents.
*Borrow from* PCTS. *Cleared for tv.*

**Union and the community** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Promotional Films. Released for public educational use through U. S. Office of Education, 1951.
18 min., sd., b&w, 16 mm.
*Summary:* Portrays how a Union Council in Chester, Pa., helped develop social agencies needed by the Community. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Union local** (*Motion picture*) U. S. Dept. of State, 1951. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1952.
26 min., sd., b&w, 16 mm.
*Summary:* Presents a dramatized story of how a machinist's union presents its problems to management and how agreements are reached through discussion. Explains how union officers are elected, their responsibility to union members, and their function in labor-management meetings. Prepared for overseas use.
*Buy from* UWF.

**The United Nations & world disputes** (*Motion picture*) U. S. Dept. of Defense. Released for public educational use through U. S. Office of Education, 1950.
21 min., sd., b&w, 16 mm.
Order no. AFSR 123.
*Summary:* Presents the part of the United Nations in attempting to resolve disputes in four countries (Indonesia, Palestine, India, and Korea) which have threatened world peace since 1945.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**United Nations campaign in northeast Korea** (*Motion picture*) U. S. Dept. of the Army, 1952.
25 min., sd., b&w, 16 mm.
Order no. MF 40–7884.
*Summary:* Reviews the capture of Seoul and Pyongyang by United Nations forces in the fall of 1950 and describes, using combat footage, the role of the U. S. Army 10th Corps in the evacuation of Hungnam.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

The United States adopts a policy of imperialism
see American history II, lecture 8: The United States adopts a policy of imperialism

**United States Army Signal Equipment Support Agency** (*Motion picture*) U. S. Dept. of the Army, 1959.
23 min., sd., color, 16 mm.
Order no. MF 11–8931.
*Summary:* Explains the mission and functions of the United States Army Signal Equipment Support Agency (USASESA): traces the development of the Handy Talkie (AN/PRC 6) from inception to its final form for demonstration; describes the services that USASESA performs, including streamlining of procurement, product engineering, maintenance engineering, application engineering, standardization, modification, improvement and simplification, testing, production management, and evaluation of performance in the field; and emphasizes that these functions are a continuous process since new equipment is continuously being developed by and procured for the Armed Forces.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The United States Coast Guard** (*Motion picture*) U. S. Coast Guard, 1958.
29 min., sd., color, 16 mm.
*Summary:* Presents an over-all view of U. S. Coast Guard operations from its 1790 origin to the present time, including port security, maintenance of aids to navigation, promotion and enforcement of maritime safety measures, ice and weather patrol, search and rescue operations, small boat safety.
*Borrow from* CG. *Buy from* UWF. *Cleared for tv.*

The United States continues its policy of isolation
see American history II, lecture 2: The United States continues its policy of isolation

The United States in today's World
see American history II, lecture 18: The United States in today's world

**The United States Naval Observatory** (*Motion picture*) U. S. Dept. of the Navy, 1955.
10 min., sd., b&w, 16 mm.
Order no. MN 8093.
*Summary:* Explains the two missions of the U. S. Naval Observatory—determination of accurate time and provision of navigational aids to the sailor and flier. Shows astronomers and mathematicians at work making observations, calculating star positions, and carrying on a research program aimed at providing more accurate time and acquiring valuable information on the universe.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The unseen army** (*Motion picture*) U. S. Dept. of the Army, 1954.
23 min., sd., b&w, 16 mm.
Order no. MF 45–8198.
*Summary:* Tells the story of civilian workers in the Ordnance Corps of the U. S. Army. Shows the scope, duties, and responsibilities of the Ordnance Corps with scenes of typical installations and activities.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The upper extremity** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., color, 16 mm. (Amputations series, no. 3)
Order no. MN 3429–c.
*Summary:* How to perform guillotine amputation on upper extremity. Shows specific operation of the supracondylar area of the arm; revision and reamputation of the stump; and the technique of cineplastic operation. Illustrates types of prostheses for upper extremity amputations. For medical personnel.
*Borrow from* Navy. *Buy from* UWF.

**Upper extremity prosthetic principles** (*Motion picture*) U. S. Veterans Administration, 1955.
29 min., sd., color, 16 mm.
*Summary:* Shows examples of research efforts resulting in prosthetic principles leading to better artificial arms. Describes the functions lost at different levels of amputation, the principles involved in their prosthetic restoration, and such devices and components as an armamentarium board.
*Borrow from* VA. *Buy from* UWF.

**Upper extremity prosthetics** (*Motion picture*) U. S. Veterans Administration, 1952.
23 min., sd., color, 16 mm.
*Summary:* Explains the prescription, fabrication, fitting, and harnessing of artificial arms; shows preprosthetic and prosthetic training activities; describes various devices and appliances; and discusses some of the adjustments related to the acceptance and use of artificial arms. For medical personnel.
*Borrow from* VA. *Buy from* UWF.

**Upstream where floods begin** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
12 min., sd., b&w, 16 mm.
*Summary:* A filmograph, dealing with the watershed protection work of the Soil Conservation Service. Explains how conservation land treatment and the construction of small upstream structures lessen the threat of flood damage and benefit the farming community.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The Urban Maes amputation for peripheral vascular disease** (*Motion picture*) U. S. Veterans Administration, 1956.
14 min., sd., color, 16 mm.
*Summary:* Demonstrates the advantages in the Urban Maes technique of below-the-knee amputation in diseases of compromised circulation. Shows the operative technique from initial incision to final stump closure and the healed stump with range of motion some weeks later. Shows several other patients who have been handled in a similar manner, with views of their stumps, ambulatory on pylon temporary, and final prostheses.
*Borrow from* VA.

**Uretero-ileo-urethral anastomosis—a bladder substitute** (*Motion picture*) U. S. Veterans Administration, 1959.
18 min., sd., color, 16 mm.
*Summary:* Explains that uretero-ileo-urethral anastomosis is a method of urinary diversion which may be used following total cystectomy, that this technique substitutes a segment of ileum for the normal bladder, and that to this ileum are anastomosed both ureters and urethra, allowing both urinary continence and relatively normal voiding through the normal channel. It does not lead to upper urinary tract distention. There is, however, some reflux of both ureters, as demonstrated on cineroentgenography. Blood chemical studies remain normal.
*Borrow from* VA.

**Use and care of electric motors** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
5 min., sd., b&w, 16 mm.
*Summary:* Shows proper use, care, and maintenance of portable electric motors. For television use.
*Borrow from* DA–MPS. *Buy from* DA.

**Use and care of fiber rope** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.
20 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)
Order no. MN 2340–b.
*Summary:* Explains how to care for, inspect, and use fiber ropes; compares sisal, manila and jute; and shows methods of splicing and eyeing.
*Borrow from* Navy. *Buy from* UWF.

**Use and care of hand tools. Part 1: Vises, screwdrivers, hammers, pliers** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.
68 fr., b&w, 35 mm.
Order no. FS 1–647.
*Summary:* Displays the different types of vises, screwdrivers, hammers, and pliers, and explains how to use and care for each type.
*Borrow from* AF.

**Use and care of wire rope** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
18 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)
Order no. MN 2340–a.
*Summary:* Describes the construction, use, and protective qualities of wire rope; stresses importance of careful handling to avoid kinks; and explains seizing, the eye splice, [illegible] fitting, and the thimble.
*Borrow from* Navy. *Buy from* UWF.

**The use of aircraft for insect control. Part 1: Mosquito control** (*Motion picture*) U. S. Public Health Service, 1949.
13 min., sd., b&w, 16 mm. (Malaria control series)
Order no. 4–077.
With utilization guide.
Filmstrip of the same title also available.
*Summary:* Depicts the general techniques, materials, and equipment developed in the use of aircraft for mosquito control; and indicates the kind of situation in which such control may economically and feasibly be applied.
*Borrow from* PHS. *Buy from* UWF.

**The use of aircraft for insect control. Part 1: Mosquito control** (*Filmstrip*) U. S. Public Health Service, 1949.
71 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 14 min. (Malaria control series)
Order no. 5–113.
With utilization guide.
Motion picture of the same title also avaiable.
*Summary:* Depicts the general techniques, materials, and equipment developed in the use of aircraft for mosquito control; and indicates the kind of situation in which such control may economically and feasibly be applied.
*Borrow from* PHS. *Buy from* UWF.

**Use of anticoagulants in rodent control** (*Filmstrip*) U. S. Public Health Service, 1958.
76 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. F 298.
*Summary:* Describes the use of anticoagulants to kill rodents, advantages of these poisons, various forms and types of anticoagulants available, preparation of the various baits, placement of these poisons to provide the most efficient results, and precautionary measures when using these materials.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv.*

**Use of fire in slash disposal** (*Motion picture*) U. S. Dept. of Agriculture, 1960.
16 min., sd., color, 16 mm.
*Summary:* An in-service training film for administrative and forest-fire control personnel who supervise and participate in slash disposal operations. Explains the use of fire as part of the entire slash treatment job and demonstrates the techniques and procedures used in the elimination of accumulations of natural and man-made debris.
*Rent from* DA film libraries. *Cleared for tv.*

**Use of radio and visual signaling devices** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
19 min., sd., color, 16 mm. (Search and rescue series. Standardization of crew training for search and rescue craft)
Order no. MG 5381–c.
*Summary:* Shows the rescue of men at sea in rafts by the U. S. Coast Guard SAR plane and ship, and the use of radio and visual signals during the afternoon and night.
*Buy from* UWF. *Cleared for tv.*

Use of reference surfaces
see
Elaboración de una pieza en el plato

**Use of serum albumin** (*Motion picture*) U. S. Navy Dept., 1943.
6 min., sd., color, 16 mm.
Order no. MN 2476.
*Summary:* Explains the medical value of serum albumin and demonstrates the preparation of the packaged outfit for use and the procedure for assembling and administering the serum.
*Borrow from* Navy.

**The use of soldering coppers** (*Motion picture*) U. S. Dept. of the Navy, 1954.
8 min., sd., b&w, 16 mm.
Order no. MN 7831-i.
*Summary:* Describes the techniques of soft-soldering in a sequence of operations, including proper selection and tinning of the copper, correct heating, cleaning, and fluxing the surfaces to be soldered, and the method of transferring sufficient heat from the copper.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Use of special electronic and visual search aids** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.
10 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)
Order no. MG 5380-d.
*Summary:* Shows a night search for plane survivors on rafts by a U. S. Coast Guard ocean station vessel and by a search and rescue plane.
*Buy from* UWF. *Cleared for tv.*

**Use of the problem in teaching** (*Motion picture*) U. S. Dept. of the Air Force, 1958.
28 min., sd., b&w, 16 mm.
Order no. TF 1-5255.
*Summary:* An Air University instructor employs a clever method for impressing his students with the principles and techniques of using the problem as an effective teaching aid.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock)** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Film Graphics.
15 min., sd., color, 16 mm.
Order no. MN 7335.
*Summary:* Describes characteristics of shock and shock cycle. Schematic visuals provide information of blood components used to combat shock, and background information of blood and structure of the circulatory system.
*Borrow from* Navy. *Buy from* UWF.

**Use your ashtray** (*Motion picture*) U. S. Dept. of Agriculture, 1953.
40 sec., sd., b&w, 16 mm. (Smokey Bar forest fire prevention, series 3, no. 2)
*Summary:* Explains the importance, while driving through forests, of using the ashtray in an automobile to extinguish matches and cigarettes. Prepared for television use.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Useful knots** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.
23 min., sd., b&w, 16 mm.
Order no. MN 70.
*Summary:* Demonstrates how to tie the overhand knot, square knot, bowline, sheep bend, half hitch, clove hitch on a pile, clove hitch on a cleat, and rolling hitch.
*Borrow from* Navy. *Buy from* UWF.

Usinage précis du bois. Initiation à la modèlerie
see
Fabrication d'un modèle avec un noyau horizontal
Fabrication d'un modèle avec un noyau vertical
Fabrication d'un modèle avec une portée à talon
Fabrication d'un modèle plat d'une pièce
Fabrication d'un modèle pour un coude de tuyau à brides
Fabrication d'un modèle pour un moule en trois parties
Fabrication d'un modèle segmenté
Fabrication d'une boîte à noyaux pour un coude de tuyau à brides
Fabrication d'une boîte à noyaux pour un noyau vertical
Fabrication d'une boîte à noyaux pour une portée à talon
Fabrication d'une plaque-modèle

Usinage précis du bois. Problèmes de modèlerie
see
Etude d'un modèle pour un bloc de moteur refroidi à l'eau
Fabrication d'un modèle avec un noyau à renflement
Fabrication d'un modèle, de boîtes à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau
Fabrication d'un modèle exigeant la construction d'un châssis
Fabrication d'un modèle exigeant la construction segmentaire
Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec
Fabrication d'une boîte à noyaux pour une base de machine
Fabrication du modèle d'une soupage sphérique d'équerre en acier, moulée mécaniquement
Reprise de l'étude d'un modèle pour fin de production en série

Usinage précis du bois. Travail à la dégauchisseuse
see
Biseau, chanfrein arrête et effilage progressif d'une pièce carrée
Corroyage de surfaces inégales
Dégauchissage d'un champ pour le collage: Installation des couteaux
Dégauchissage des champs et extrémités d'équerre avec la face

Usinage précis du bois. Travail à la ponceuse
see
Ponçage de surfaces planes et irrégulières

Usinage précis du bois. Travail à la raboteuse sur une face
see
Rabotage de surfaces rugueuses à certaines dimensions

Usinage précis du bois. Travail à la scie à ruban
see
Chantournage d'une courbe renversée et d'une courbe renversée biseautée
Sciage avec gabarit et changement de ruban

Usinage précis du bois. Travail à la scie combinée
see
Biseau, onglet, feuillure, et entaille
Coupe de tenons et de segments
Sciage d'une gorge et d'une boîte à noyaux
Sciage sur le long et sciage sur le travers

Usinage précis du bois. Travail à la toupie
see
Feuillurage et toupillage d'un champ sur un matériel droit
Tournage d'un cylindre entre les pointes
Tournage d'une bride sur plateau
Tournage en mandrin
Tournage sur plateau

**Using a boring bar between centers: Work held on carriage** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

22 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe no. 16)

Order no. OE 64.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to set up a boring bar between centers of a lathe; clamp an irregular workpiece on a lathe carriage; mount, adjust, and use a boring bar between centers of the lathe; and align the work piece center with the lathe centerline.

*Buy from* UWF.

**Using a boring bar between centers: Work held on carriage** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

33 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 16)

Order no. OE 64–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Using a follower rest** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 15)

Order no. OE 63.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Description and uses of the follower rest; how to mount the follower rest on the lathe; adjust the jaws of the follower rest to the work; and lubricate the work to prevent damage to the jaws and workpiece.

*Buy from* UWF.

**Using a follower rest** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

30 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 15)

Order no. OE 63–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Using a portable spray gun** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

26 min., sd., b&w, 16 mm. (Aircraft work series. Finishing)

Order no. OE 289.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How the pressure tank operates; how to clean portable spray guns; adjust paint, spray, and air controls; stroke while painting; and use the suction type spray gun.

*Buy from* UWF.

**Using a portable spray gun** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

49 fr., b&w, 35 mm. (Aircraft work series. Finishing)

Order no. OE 289–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Using a shell end mill** (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the vertical milling machine, no. 1)

Order no. OE 72.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How the vertical milling machine differs from other milling machines; how to produce a flat surface with a shell end mill; use the sliding head; what speed and feed are, and how to calculate them.

*Buy from* UWF.

**Using a shell end mill** (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

20 fr., b&w, 35 mm. (Machine shop work series. Operations on the vertical milling machine, no. 1)

Order no. OE 72–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Using a steady rest** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

25 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 14)

Order no. OE 62.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* Description and uses of the steady rest; how to spot the work for the location of the steady rest; mount the steady rest on the lathe; and adjust the jaws of the rest to the work.

*Buy from* UWF.

**Using a steady rest** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

34 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 14)

Order no. OE 62–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

Using a steady rest
see also
O emprêgo do suporte fixo
El uso del soporte fijo

**Using a steady rest when boring** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

21 min., sd., b&w, 16 mm. (Machine shop work series. Operations on the engine lathe, no. 17)

Order no. OE 65.

With instructor's manual. Supplementary filmstrip of same title also available.

*Summary:* How to mount a long casting on a lathe faceplate; turn a true bearing spot for supporting the workpiece with a steady rest; and how boring, turning, and forming operations are performed when work is supported by a steady rest.

*Buy from* UWF.

**Using a steady rest when boring** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

39 fr., b&w, 35 mm. (Machine shop work series. Operations on the engine lathe, no. 17)

Order no. OE 65–fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Using animals in the laboratory** (*Filmstrip*) U. S. Public Health Service, 1953.

68 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min. (Basic laboratory training for nonprofessional workers, no. 4)

Order no. F 106–d.

*Summary:* Shows methods of handling rats, hamsters, guinea pigs, rabbits, and chicks for such purposes as giving injections, making venus punctures, taking temperature, and giving medication.

*Borrow from* PHS. *Buy from* UWF.

**Using visual aids in training** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

14 min., sd., b&w, 16 mm. (Problems in supervision series)

Order no. OE 167.

With instructor's manual.

*Summary:* An instructor, teaching his class the use of the micrometer, follows a carefully planned procedure involving the use of a training motion picture, a coordinated filmstrip, and an instructor's manual.

*Buy from* UWF.

**El uso del soporte fijo** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.
25 min., sd., b&w, 16 mm. (Trabajo de taller mecánico. Usos del torno de precisión)
Order no. OE 62–Sp.
Spanish version of Using a steady rest.
*Buy from* UWF.

Usos del torno de precisión
see Trabajo de taller mecánico. Usos del torno de precisión

Usos do tôrno de precisão
see Trabalho de oficina mecânica. Usos do tôrno de precisão

**Uterine cancer: The problem of early diagnosis** (*Motion picture*) National Cancer Institute of the U. S. Public Health Service and American Cancer Society, 1951. Made by Audio Productions.
21 min., sd., color, 16 mm.
*Summary:* A teaching film on the early diagnosis of uterine cancer through visualization of the cervix, bimanual palpation, tissue biopsy where indicated, and routine vaginal and selective cervical smears. For general practitioners, residents, interns, medical students in their clinical years.
*Borrow from* ACS *or* NCI. *Buy from* ACS.

# V

**VD—Stopping the spread** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Jam Handy Organization.
18 min., sd., b&w, 16 mm.
Order no. MN 6918–b.
*Summary:* Shows the epidemiology of venereal diseases, and public health measures used in its control. Explains how information obtained by interviewers is used to stop the spread of VD.
*Borrow from* Navy.

**VD—Taking chances** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Herbert Kerkow, inc.
11 min., sd., b&w, 16 mm.
Order no. MN 6918–a.
*Summary:* Explains the medical facts of venereal disease. Through animation shows the physical effects of the disease, and through an amusement park sequence encourages the establishment of group spirit of men on liberty. Illustrates numerically the odds on taking chances with venereal disease.
*Borrow from* Navy.

**VDRL slide qualitative test with serum** (*Motion picture*) U. S. Dept. of the Navy, 1957.
6 min., sd., color, 16 mm. (Medical laboratory techniques series)
Order no. MED 11–57.
*Summary:* Demonstrates the venereal disease research laboratory slide test for diagnostic purposes. Shows preparation of antigens, and testing of delivery apparatus. Demonstrates the performance of the qualitative slide test, including the reading of the results. Depicts, in cinemicroscopy, the several types of readings that may result.
*Borrow from* Navy.

**VDRL tests for syphilis** (*Motion picture*) U. S. Public Health Service, 1959.
22 min., sd., b&w, 16 mm.
Order no. FG 342.
*Summary:* Describes the preparation of the basic antigen emulsion; shows the procedures for the slide flocculation tests for serum, for the tube flocculation tests for serum, and for the spinal fluid test; and gives a recapitulation of key points of VDRL tests for syphilis.
*Borrow from* PHS. *Buy from* UWF.

**VT bomb and rocket fuzes** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.
25 min., sd., b&w, 16 mm.
Order no. FB 9–197.
*Summary:* Demonstrates operations of proximity bomb and rocket fuses over land and water; method of arming; and safety precautions to be observed.
*Borrow from* Army. *Buy from* UWF.

**V–2 rocket: Assembling and launching** (*Motion picture*) U. S. Dept. of Defense, 1948.
11 min., sd., b&w, 16 mm.
On reel with Task force frigid.
Excerpts from the 1947 film of the same title (order no. FB 219)
Order no. AFSR 92.
*Summary:* Experimental work in V–2 rockets being conducted at White Sands, New Mexico.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Vaccinate against smallpox** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
*Summary:* Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.
*Buy from* UWF. *Cleared for tv.*

Vaccinate against smallpox
see also
Variola
La viruela

**La vacuna; o, Defensa contra la invasión** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
13 min., sd., color, 16 mm.
Spanish version of Defense against invasion.
*Summary:* Explains how vaccination makes the body immune to certain diseases. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Vacuum tubes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.
37 fr., b&w, 35 mm.
Order no. SN 650.
*Summary:* Describes the theory of operation of vacuum tubes and their function in the radio circuit.
*Borrow from* Navy. *Buy from* UWF.

**Vacuum tubes: Electron theory and the diode tube** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.
16 min., sd., b&w, 16 mm.
Order no. TF 1–470.
*Summary:* Explains electron behavior in matter, electron sources in vacuum tubes, symbols of tubes, functioning of tube in a circuit, and effect of plate voltage changes, space charge, and diode and duodiode as reflectors.
*Borrow from* AF. *Buy from* UWF.

**Vacuum tubes: Triode and multipurpose tubes** (*Motion picture*) U. S. Army Air Forces, 1942.
14 min., sd., b&w, 16 mm.
Order no. TF 1–471.
*Summary:* Describes the triode tube as evolved from the diode tube, its structure and capacities, and the circuits in which the tube functions. The functions of the grid, grid bias, the screen and suppressor grids, and multipurpose tubes are indicated.
*Borrow from* AF. *Buy from* UWF.

**Valley of the Tennessee** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.
29 min., sd., b&w, 16 mm.
*Summary:* Shows the need for conservation in the Tennessee River Valley, the origin of the TVA, the building of the dams, and the influence of the TVA on the lives of the people in the Valley.
*Buy from* UWF.

**Value engineering: More ships for less money** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films.
13 min., sd., color, 16 mm.
Order no. MN 8488.
*Summary:* Shows how the U. S. Navy Value engineering program works and explains its key techniques: Get the facts; know the costs; determine the function; do creative thinking; and evaluate by comparison. Examples are given of results of Value engineering.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Valve types and reversing gears** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.
**62 fr., b&w, 35 mm.**
Order no. SCG 176–a, formerly SG 2313.
*Summary:* Explains eccentric action, the construction and functions of various valves and gears, and how the reversing of an engine is accomplished.
*Buy from* UWF.

**Vaned elbow: Layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.
29 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sheetmetal work)
Order no. MN 2339–a.
Supplementary filmstrip of same title also available.
*Summary:* Shows how to make a vaned elbow for a ship's ventilation system; illustrates development of the rough sketch, parallel lines, templates, elbow and vane sections, and the final welding.
*Borrow from* Navy. *Buy from* UWF.

**Vaned elbow: Layout and fabrication** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.
60 fr., b&w, 35 mm. (Shipbuilding skills series. Sheetmetal work)
Order no. SN 2339–n.
Supplements the motion picture of the same title.
*Borrow from* Navy. *Buy from* UWF.

**Vanguard I** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.
11 min., sd., b&w, 16 mm.
*Summary:* Describes the successful launching of Vanguard I satellite and the beginning of its orbit, steps in satellite assembly and launching, and the importance of the contributions which satellites will make to the world's scientific knowledge of the universe. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Vapor compression distilling units: Chemical cleaning** (*Motion picture*) U. S. Dept. of the Navy, 1958.
10 min., sd., b&w, 16 mm.
Order no. MN 8264–b.
*Summary:* Shows the fittings, hoses, and the tank necessary for the cleaning operation. Demonstrates how to mix the cleaning solution; how to establish the circulation of cleaner through the unit; and how to flush the cleaner from the unit and resume normal operations.
*Borrow from* Navy. *Buy from* UWF.

**Vapor compression distilling units: How they work and how to operate them** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.
22 min., sd., b&w, 16 mm.
Order no. MN 8264–a.
*Summary:* Describes how a vapor compression distilling unit works by considering it as three systems: flow, heat-transfer, and control. Shows by animated diagrams the flow through a unit and what occurs at important points, where the heat comes from and where it transfers in the boiling and condensation process, and the devices that reveal operating conditions and control operation.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The Varanger–Dora Weems incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
4 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202–o.
*Summary:* Collision of the Varanger and the Dora Weems; and the causes therefor.
*Borrow from* Navy. *Buy from* UWF.

**Variola** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
Portuguese version of Vaccinate against smallpox.
*Summary:* Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.
*Buy from* UWF. *Cleared for tv.*

**Various methods of fixation for the control of fractured jaws** (*Motion picture*) U. S. Veterans Administration, 1958.
45 min., sd., color, 16 mm.
*Summary:* Describes the known methods for the reduction of fractured jaw bones, including various traction methods of moving the bones and the constant fixation of splinting of bones.
*Borrow from* VA. *Buy from* UWF.

Vascularization of the liver
see The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver

**Vectors** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.
12 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540–n.
*Summary:* Explains vectors, changes in angle or magnitude, how vectors are plotted, and how the resultant is found.
*Borrow from* Navy. *Buy from* UWF.

**Vehicle loading and stowing** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
15 min., sd., b&w, 16 mm. (Military stevedoring series, no. 6)
Order no. TF 55–1119.
*Summary:* Shows how to load jeeps, trucks, tanks, and locomotives aboard ship; how to use nets, straps, and dunnage for lifting; and soap, grease, and blocks in stowing vehicles.
*Borrow from* Army. *Buy from* UWF.

**Venereal disease and tuberculosis survey in Georgia** (*Filmstrip*) U. S. Public Health Service, 1948.
112 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 11 min.
Order no. 5–121.
*Summary:* Explains the procedures in initiating and conducting a combination venereal disease and tuberculosis survey in Georgia.
*Borrow from* PHS.

**Vera Cruz** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.
19 min., sd., color, 16 mm.
*Summary:* Tourist view of Mexico's province of Vera Cruz.
*Buy from* UWF.

**Verniers** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.
19 min., sd., b&w, 16 mm. (Machine shop work series. Precision measurement no. 4)
Order no. OE 4.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Principle of the vernier scale and its application to a micrometer and to inside and outside calipers; how to use and read vernier micrometers and vernier calipers.
*Buy from* UWF.

**Verniers** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.
37 fr., b&w, 35 mm. (Machine shop work series. Precision measurement no. 4)
Order no. OE 4–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Vertical drill series
see Machine shop work series. Operations on the drill press. Vertical drill

**Vertical welds, steel** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.
41 fr., b&w, 35 mm.
Order no. SN 130.
*Summary:* An aircraft machine shop demonstration film which shows the principles of torch manipulation making vertical welds on steel.
*Borrow from* Navy. *Buy from* UWF.

**Vesicular diseases of animals** (*Motion picture*) U. S. Dept. of Agriculture, 1951.
11 min., sd., color, 16 mm.
Revision of 1944 motion picture of the same title.
*Summary:* Shows typical condition of hogs affected with vesicular stomatitis. Photographed at the Animal Disease Station, Agricultural Research Center, Beltsville, Md. Revision contains current methods used in detecting the disease.
*Rent from* DA film libraries. *Buy from* UWF.

**Vesicular exanthema** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1954.
16 min., sd., color, 16 mm.
*Summary:* The story of the outbreak of vesicular exanthema in 1952, its rapid spread, and measures taken to control it. Shows disease symptoms; depicts differential diagnostic field tests; and reviews federal, state, and industry cooperation in eradication efforts.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The veteran becomes a farmer** (*Motion picture*) U. S. Office of Education, 1946. Produced by W. A. Palmer & Co.
28 min., sd., b&w, 16 mm.
Order no. OE 398.
With instructor's manual.
*Summary:* How individuals and groups in a farm community cooperate in giving help and counsel to a veteran wishing to become a farmer.
*Buy from* UWF.

**Veterinary food inspection service. Part 2: Theater of operations** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.
16 min., sd., b&w, 16 mm.
Order no. FB 8–228.
*Summary:* Methods used by the U. S. Army in the inspection of meat from its arrival at overseas ports until its issue to front-line troops.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Veterinary surveillance inspection of perishable subsistence** (*Filmstrip*) U. S. Dept. of the Army, 1958.
68 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 21 min.
Order no. SFS 8–242.
*Summary:* Explains the purpose of veterinary surveillance of Government-owned perishable subsistence and the procedures used in the various classes of inspection made at critical points during the shipment, storage, and issue of chilled and frozen foods.
*Borrow from* Army.

**Vibration problems in the design of shipboard electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956.
19 min., sd., b&w, 16 mm.
Order no. MN 8681–b.
*Summary:* Demonstrates how breakage can occur when equipment chassis are not protected against vibration and shock. Shows ways in which vibration can be eliminated by the use of bands, screws, and braces placed in different ways on a chassis.
*Borrow from* Navy. *Buy from* UWF.

**Vice-President Nixon, ambassador of friendship** (*Motion picture*) U. S. Information Agency, 1954. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1954.
22 min., sd., b&w, 16 mm.
*Summary:* Pictorial record of the 1953 trip of Vice-President and Mrs. Richard M. Nixon to the countries of Asia and the Middle East. The Vice-President introduces the film and, at the conclusion, sums up his impressions of his trip. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The Vice President of the United States—America's world responsibilities** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
43 min., sd., b&w, 16 mm.
Order no. WA 6.
*Summary:* At the National War College, Vice President Richard M. Nixon discusses America's responsibilities in its role as a world leader; diplomatic relations with the Soviet Union and its satellites; United States policy toward its allies and the neutral nations of the world; problems regarding disarmament and the defense budget, and answers questions, including what is to be gained in continued negotiations with the Soviet Union, what are the prospects for the liberation of the Soviet satellites, what are the prospects for winning over the neutralist countries, how solid are our alliances, how can we enlighten the peoples of the world to our policies and objectives, what is the feasibility of disarmament, and how large a defense budget should the American people support.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Vicious circle** (*Motion picture*) U. S. Dept. of Agriculture, 1954.
21 min., sd., color, 16 mm.
*Summary:* Discusses, through a dramatized story of a young farmer, the avian type of tuberculosis and its destructiveness among chickens and hogs. Indicates the difficulty of detecting the disease in poultry flocks, and recommends prevention and control measures including separation of poultry and swine.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**The victory division: 24th Infantry** (*Motion picture*) U. S. Dept. of the Army, 1950.
17 min., sd., b&w, 16 mm.
Order no. MF 130–7722.
*Summary:* History of the 24th Infantry Division in the Pacific area during World War II.
*Borrow from* Army. *Buy from* UWF.

**Victory in Tarai** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

10 min., sd., b&w, 16 mm.

*Summary:* A sequel to the motion picture, Battle in the Tarai, portraying the same family and emphasizing the values of cooperative enterprise in the reclamation of Tarai. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Victory in the air** (*Motion picture*) U. S. Army Air Forces, 1945.

15 min., sd., b&w, 16 mm.

Order no. SFP 187.

*Summary:* Explains the uses made by the Army Air Forces of materials produced by civilian workers during World War II. Stresses the importance of continuous research and development.

*Borrow from* AF. *Cleared for tv.*

**La viruela** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

8 min., sd., color, 16 mm.

Spanish version of Vaccinate against smallpox.

*Summary:* Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.

*Buy from* UWF. *Cleared for tv.*

**Vision in the forest** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

5 min., sd., color, 16 mm.

*Summary:* Portrays a family enjoying a camping trip in the forest. One of the children wanders away, sees a Smokey Bear poster come to life, and hurries back to camp with the news that Smokey is a good friend of the forest and its wild creatures. Shows how to prevent fires from getting started in forests.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Visual day signals** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., color, 16 mm. (Rules of the nautical road series)

Order no. MN 202-i.

*Summary:* Shows international day signals for ships not under command, inland day signals, and various other signals.

*Borrow from* Navy. *Buy from* UWF.

**Visual flight rules** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1952.

22 min., sd., color, 16 mm.

Order no. MN 6914.

*Summary:* Explains and illustrates Civil Air Regulations, part 60, as they apply to naval aviators while flying under VFR clearances.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Visualizing an object** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

9 min., sd., b&w, 16 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 1)

Order no. OE 51.

Supplemented by filmstrip of the same title.

With instructor's manual.

*Summary:* How a blueprint is developed; how dimensions are shown by different views; and how special information is indicated on a blueprint.

*Buy from* UWF.

**Visualizing an object** (*Filmstrip*) U. S. Office of Education, 1946. Made by Ray-Bell Films.

39 fr., b&w, 35 mm. (Machine shop work series. Fundamentals of blueprint reading, no. 1)

Order no. OE 51-fs.

Supplements motion picture of the same title.

With instructor's manual.

*Buy from* UWF.

**Vital signs. Part 1: Cardinal symptoms** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

21 min., sd., b&w, 16 mm. (Care of patients by hospital corpsmen)

Order no. MN 8211-a.

*Summary:* Explains temperature, pulse, respiration, and blood pressure by means of live action, animation, art work, and sound effects; tells how these vital signs present a picture of the condition of the body.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Vital signs. Part 2: Taking temperature, pulse, and respiration** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

20 min., sd., b&w, 16 mm. (Care of patients by hospital corpsmen)

Order no. MN 8211-b.

*Summary:* Demonstrates, in live action, the techniques of taking temperature (oral, rectal, axillary), pulse, and respiration of patients with a variety of conditions. Shows equipment needed and includes sanitary procedures and charting.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Vital signs. Part 3: Taking blood pressure** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Fordel Films.

11 min., sd., b&w, 16 mm. (Care of patients by hospital corpsmen)

Order no. MN 8211-c.

*Summary:* Explains and demonstrates, in live action, the principles of taking systolic and diastolic pressures and the procedures followed with patients. Uses sound effects to show the significant changes in pulse tone.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

32 min., sd., b&w, 16 mm. (Nursing series)

Order no. OE 406.

Supplemented by filmstrip of same title.

With instructor's manual.

*Summary:* Describes the physiology of the respiratory, heat regulatory, and circulatory systems and their inter-relationships; shows how to ascertain and record the vital signs—temperature, pulse, respiration, and blood pressure.

*Buy from* UWF.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

81 fr., b&w, 35 mm. (Nursing series)

Order no. OE 406-fs.

With instructor's manual. Supplements motion picture of same title.

*Buy from* UWF.

**Vivax malaria** (*Filmstrip*) U. S. Public Health Service, 1948.

76 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 17 min.

Order no. 5-043.

*Summary:* Explains the distribution, clinical manifestations, diagnosis, treatment, and prevention of vivax malaria.

*Borrow from* PHS.

**Voice of a choir** (*Motion picture*) U. S. Dept. of State, 1951. Made by Pathescope Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

24 min., sd., b&w, 16 mm.

*Summary:* Tells the story of the Bach festival held annually each spring in Bethlehem, Pa., and records a performance of the Bach Choir composed of many members of the community. Prepared for overseas use.

*Buy from* UWF.

**Voices of the people** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

18 min., sd., b&w, 16 mm.

Order no. OF 33.

*Summary:* Includes a discussion of the importance of freedom of speech; a tour of the Freedom Train; and a portrayal and discussion of the Declaration of independence and Bill of rights.

*Borrow from* Army. *Buy from* UWF.

**Volt ohmmeter operation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.
15 min., sd., b&w, 16 mm. (Radio technician training series)
Order no. MN 1540–s.
*Summary:* Shows how to operate a volt ohmmeter (Weston and other types) to measure ohms and volts.
*Borrow from* Navy. *Buy from* UWF.

**Voltaic cell, dry cell, and storage battery** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
18 min., sd., b&w, 16 mm. (Electricity and magnetism series, no. 3)
Order no. TF 11–1187.
*Summary:* Explains the principles of a voltaic cell, a dry cell, and a storage battery.
*Borrow from* Army. *Buy from* UWF.

Vowels and glides
see Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides

Voyage to recovery
see
Rehabilitation: Voyage to recovery

## W

**War comes to America** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.
67 min., sd., b&w, 16 mm. (Why we fight series)
Order no. OF 7.
*Summary:* Reviews briefly the history of the United States; describes the characteristics, habits, and beliefs of the American people; and explains the events, from 1931 to 1941, that led to the United States entry into World War II.
*Borrow from* Army. *Buy from* UWF.

The War for Independence
see American history I, lecture 5: The War for Independence

**The War of 1812** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Creative Arts Studio.
20 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–c.
*Summary:* Presents, through still pictures and using the filmograph technique, the events leading up to the War of 1812, and the role of the U. S. Navy in this war. Illustrates the origins of such phrases as "Old Ironsides," "Don't give up the ship," and "We have met the enemy and they are ours." Contains a sequence on the writing of the Star Spangled Banner.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**War of Independence, 1775–1783** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Creative Arts Studio.
24 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–a.
*Summary:* Presents through still pictures, using the filmograph technique, the general movements of the Continental Army and Navy from 1775 to 1783. Depicts the founding of the Navy, the Battle of Valcour Island, John Paul Jones, and Washington's strategy at Yorktown.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Ward care of psychotic patients** (*Motion picture*) U. S. War Dept., 1945.
44 min., sd., b&w, 16 mm.
Order no. TF 8–2090.
*Summary:* Discusses the duties of ward attendants and methods of caring for psychotic patients in closed wards.
*Borrow from* Army.

**Warehousing series. Part 1: Storage procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.
21 min., sd., b&w, 16 mm.
Order no. GF 10–36.
*Summary:* Explains the primary functions, basic resources, and mode of operation of the military depot. Describes the various types of special and all-purpose warehouse storage facilities and emphasizes the objectives of military storage of supplies—full and orderly use of space; saving of time and labor; ready accessibility of items; protection of supplies. Discusses the duties of depot personnel, the material handling equipment used, and the capacity and commodity factors as related to the operation of a depot.
*Borrow from* Army.

**Warehousing series. Part 2: Aisle arrangement** (*Motion picture*) U. S. Dept. of the Army, 1958.
9 min., sd., b&w, 16 mm.
Order no. GF 10–37.
*Summary:* Explains the importance, purpose, and characteristics of aisles used in military storage areas. Salient teaching points cover main aisles, cross aisles, personnel aisles, and service aisles.
*Borrow from* Army.

**Warehousing series. Part 3: Bins, racks and box pallets** (*Motion picture*) U. S. Dept. of the Army, 1958.
11 min., sd., b&w, 16 mm.
Order no. GF 10–38.
*Summary:* Describes the features and use of the three storage aids designed to facilitate warehouse activity—bins, racks, and box pallets. Explains the location, construction, and purpose of bins in a storage area, and the organization and operation of a retail bin area, including the features and layout of tiers and sections, the stocking of items in bins, supply procedures, and replenishing bins. Discusses the purpose and construction of racks and box pallets and the types of items that are stored in each.
*Borrow from* Army.

**Warehousing series. Part 5: Receiving and shipping of supplies** (*Motion picture*) U. S. Dept. of the Army, 1958.
23 min., sd., b&w, 16 mm.
Order no. GF 10–45.
*Summary:* Discusses the basic principles and operations involved in receiving and shipping supplies in a military depot, including straight line flow, continuous flow, efficient handling, and concentration of operations. Explains that the receiving operation—planning, spotting the carrier, unloading, and moving supplies to storage area—is the reversal of the receiving procedure—planning, spotting the carrier, removing supplies, and loading the carrier.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The warm front** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1946.
21 min., sd., color, 16 mm. (Aerology series)
Order no. MN 119–f.
*Summary:* Describes the meeting boundaries of warm and cold air; shows how dangerous stratified layers of clouds are formed and how to plan a course around them; discusses types of visibility, precipitation, ceiling conditions, and their locations; explains cirrus, cirrostratus, and alto-stratus clouds.
*Borrow from* Navy.

**The washdown countermeasures: Preventing radiological contamination of ships exposed to underwater atomic attack** (*Motion picture*) U. S. Dept. of the Navy, 1953.
20 min., sd., color, 16 mm.
Order no. MN 9221.
*Summary:* Shows tests of a method in which a ship's own pumps operate a semi-automatic, installed wash-down system for the removal of radiological contamination. Explains the various stages of testing as conducted on a destroyer, a cruiser, and an aircraft carrier.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Washington and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1952.
26 min., sd., color, 16 mm.
Order no. 246.
*Summary:* Shows scenes of land, water, minerals, and forests, and the diversified agriculture and industry based upon them.
*Borrow from* BM. *Cleared for tv.*

**The Washington mosque** (*Motion picture*) U. S. Information Agency, 1957. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.
16 min., sd., color, 16 mm.
*Summary:* Describes the Washington mosque and the religious and cultural activities of the Islamic Center in the capital city of the United States. Prepared for overseas use.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Watchdog of the Air Force dollar** (*Motion picture*) U. S. Dept. of the Air Force, 1952.
12 min., sd., b&w, 16 mm.
Order no. FP 286.
*Summary:* Explains the activities of the Auditor General as part of the staff organization of the Comptroller, U. S. Air Force; and describes the procedures followed to insure economical expenditure of Air Force funds.
*Borrow from* AF. *Cleared for tv.*

**Water** (*Motion picture*) U. S. Dept. of Agriculture, 1948.
11 min., sd., b&w, 16 mm. (School films series, no. 2)
With teacher's guide.
*Summary:* Explains that water is necessary to all life; shows agricultural conditions during droughts and during floods on uncovered land; makes the point that too much rain can be as destructive as too little rain; and emphasizes the need for soil conservation practices.
*Rent from* DA film libraries. *Buy from* UWF.

Water for a nation
see
Water for farm and city

**Water for farm and city** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
14 min., sd., b&w, 16 mm.
Revision of 1949 film with the title Water for a nation.
*Summary:* Portrays the effect of water upon the land and its people. Shows areas which never have enough water; areas which have more water than they can use; those where water comes all at once; and those where nature helps control a year-around supply. Presents case studies of farmers and ranchers from Maryland to Washington who join forces with nature to help sustai nus all.
*Rent from* DA film libraries. *Cleared for tv.*

**Water for Fort Hood** (*Motion picture*) U. S. Army Engineers, 1956.
9 min., sd., color, 16 mm.
*Summary:* Presents an example of the two-fold (war and peace) services of the Army's Corps of Engineers; shows the construction of a water supply system which links a civil works project (Belton Reservoir) with a military installation (Ft. Hood, Texas)
*Borrow from* Eng. *Cleared for tv.*

**Water for the West** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
25 min., sd., color, 16 mm.
*Summary:* Explains how forest and watershed scientists at experiment stations are working to find ways to increase the yield of useful water without damaging the soil and other resources of the national forests.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Water, friend or enemy** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
10 min., sd., color, 16 mm.
*Summary:* Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

Water, friend or enemy
see also
Agua, amiga o enemiga
A água: nosso amigo ou inimigo

**Water in the West** (*Motion picture*) U. S. Bureau of Reclamation, 1951.
36 min., sd., b&w, 16 mm.
*Summary:* Describes the need for and the history of water resource developments in the West to transform the desert into a productive region.
*Borrow from* BR. *Buy from* UWF.

**Water on the fire** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
27 min., sd., color, 16 mm.
*Summary:* Demonstrates effective and economical ways to use water in extinguishing various types of burning fuels in the forests of eastern United States.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Water on the land** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
9 min., sd., color, 16 mm.
*Summary:* Explains the values of irrigation in farming and demonstrates some simple irrigation methods.
*Buy from* UWF. *Cleared for tv.*

Water on the land
see also
Irrigue a terra
Regando la tierra

**Water purification: Diatomite filter system, installation, operation, and maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.
17 min., sd., color, 16 mm.
Order no. MN 7489–b.
*Summary:* Describes the installation, operation, and maintenance of diatomite filters, including the equipment and the preparation of the chemicals. Also shows the "batch method" of pretreating raw water for high turbidity using soda ash and alum.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Water purification, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.
10 min., sd., color, 16 mm.
Order no. MN 7489–a.
*Summary:* Emphasizes the importance of disinfecting water; explains the various sources of water and the steps required to provide a safe water supply; and mentions briefly diatomite filters and distilling equipment.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Water purification: Vapor compression distillation** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.
15 min., sd., color, 16 mm.
Order no. MN 7489–c.
*Summary:* Shows how fresh water is obtained from sea water, including installation of the distillation unit, the process (by animation) of converting sea water to a distillate, and methods of cleaning the evaporator.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Water wisdom** (*Motion picture*) U. S. Tennessee Valley Authority, 1953. Made by Southern Educational Film Production Service.
20 min., sd., color, 16 mm.
*Summary:* Illustrates through dramatized incidents the results of carelessness by swimmers and fishermen on inland lakes, particularly those made from the damming of streams and rivers in the Tennessee Valley.
*Borrow from* TVA. *Cleared for tv.*

**Waters of Coweeta** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

20 min., sd., color, 16 mm.

*Summary:* Illustrates and explains the research being carried on at the hydrologic laboratory in the Coweeta Experimental Forest in the Nantahala Mountains of North Carolina, with particular emphasis upon the relationship between watershed practices and the flow of water in streams.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Waters of destiny** (*Motion picture*) U. S. Army Engineers, 1959.

28 min., sd., color, 16 mm.

*Summary:* Portrays the story of the giant flood-control project in central and southern Florida.

*Borrow from* Eng. *Cleared for tv.*

**Watershed wildlife** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

21 min., sd., color, 16 mm.

*Summary:* Explains how U. S. Marines, California fire fighting personnel, and Indian forest fire fighters cooperated with the Forest Service in controlling the 1955 fire in the Los Padres National Forest in California, which destroyed its vegetation; and emphasizes the need for immediate reseeding to prevent floods.

*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Watertight covers** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

57 fr., b&w, 35 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. SN 2339–o.

Supplements the motion pictures with the titles: Watertight cover; part 1, Layout and fabrication; part 2, Assembly.

*Summary:* Shows the construction of a type F round watertight cover, and the welding and assembly of the lid and collar, locking device, dogs, hinge, screen, and gasket.

*Borrow from* Navy. *Buy from* UWF.

**Watertight covers. Part 1: Layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. MN 2339–b.

Supplementary filmstrip with title Watertight covers, also available.

*Summary:* Shows how to construct a type F round watertight cover; the overall fabrication of lid, hinge, collar, gasket and combing; and the complete cover ready for assembly.

*Borrow from* Navy. *Buy from* UWF.

**Watertight covers. Part 2: Assembly** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

15 min., sd., b&w, 16 mm. (Shipbuilding skills series. Sheetmetal work)

Order no. MN 2339–c.

Supplementary filmstrip with title Watertight covers, also available.

*Summary:* How to weld and assemble combing, lid and collar, locking device, dogs, hinge, screen, and rubber gasket.

*Borrow from* Navy. *Buy from* UWF.

**Wave propagation and antenna theory, part 1** (*Filmstrip*) U. S. Dept. of the Army, 1955.

72 fr., b&w, 35 mm. and 2 discs (2 s. each), 16 in., 33⅓ rpm, 42 min.

Order no. SFS 11–142.

*Summary:* Discusses the radio antenna, with particular attention given to the theory governing its functioning in carrying out efficient radiation; and the feeder in the antenna system, the power line carrying the electrical energy to the antenna.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Wave propagation and antenna theory, part 2** (*Filmstrip*) U. S. Dept. of the Army, 1955.

39 fr., b&w, 35 mm. and 2 discs (3 s.), 16 in., 33⅓ rpm, 30 min.

Order no. SFS 11–145.

*Summary:* Explains how antennas receive electro-magnetic waves and the effect of polarization on reception; the uses and types of mobile unit antennas in tactical operations and fixed station antennas in strategic operations.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Waves at work** (*Motion picture*) U. S. Dept. of the Navy, 1953.

17 min., sd., color, 16 mm.

Order no. MN 7413.

*Summary:* Shows enlisted Waves performing various duties, including those of hospital corpsman, dental technician, radioman, air controlman, storekeeper, and tradesman.

*Borrow from* Navy. *Cleared for tv.*

**"Waxey": Tips on the fine art of waxing** (*Filmstrip*) U. S. Veterans Administration, 1956.

2 filmstrips (84 fr.), b&w, 35 mm.

Part 1, 34 fr.; pt. 2, 50 fr.

*Summary:* Uses cartoon characters to illustrate methods of waxing floors in hospitals.

*Borrow from* VA. *Buy from* UWF.

**We build a town** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

20 min., sd., b&w, 16 mm.

*Summary:* Portrays the building of the refugee town of Faridabad with the help of the Indian Government and point four aid, including homes, roads, schools, power plant, etc.; and explains plans for the future. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**We saw it happen** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

58 min., sd., b&w, 16 mm.

Order no. SFP 355.

*Summary:* A documented film history of the development of aviation and of the U. S. Air Force.

*Borrow from* AF. *Cleared for tv.*

**We, the Japanese people** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

25 min., sd., b&w, 16 mm.

*Summary:* Shows some of the democratic changes the Japanese people have adopted since 1945. Prepared for use in occupied areas, particularly in Japan.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Weapons of the artillery** (*Motion picture*) U. S. Dept. of the Army, 1953.

28 min., sd., color, 16 mm.

Order no. FB 44–253.

*Summary:* Gives brief descriptions of the characteristics of the 3.5 rocket launcher, the twin 40 motor carriage M19, the 75mm. pack howitzer, the 105mm. howitzer, 155mm. howitzers and guns, 8-in. howitzers, and the 240mm. howitzer.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Wearing of the uniform** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Order no. TF 19–1485.

*Summary:* Shows how smart appearance while wearing the uniform and good personal conduct of the individual soldier affect his well-being.

*Borrow from* Army. *Buy from* UWF.

**Weather and radar** (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1954.

17 min., sd., b&w, 16 mm. (Aerology series)

Order no. MN 119-1.

*Summary:* Illustrates some of the operational values to be gained by using radar in locating and identifying weather disturbances, including cold fronts, warm fronts, thunderstorms, typhoons, and hurricanes. Characteristics echo patterns on the PPI (planned-position-indicator) scope are shown.

*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Weather control during instrument flight, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

101 fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 16 min. (Instrument flight control series)

Order no. SN 1059–s.

*Summary:* Analyzes techniques in instrument flying under adverse weather conditions: explains the formation and dangers of ice; and shows use of de-icers and electric units in removing ice.

*Borrow from* Navy. *Buy from* UWF.

**Weather control during instrument flight, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

[illegible] fr., b&w, 35 mm. and disc: 2 s., 16 in., 33⅓ rpm, 24 min. (Instrument flight control series)

Order no. SN 1059–t.

*Summary:* Explains turbulence, static, thunderstorms, and precipitation: and that altitude, nature of terrain, size, intensity, velocity distance to destination, type of storm, and aircraft, are to be considered in a storm.

*Borrow from* Navy. *Buy from* UWF.

**Weather duties** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

6 min., sd., color, 16 mm. (Search and rescue series. Ocean station vessel crew training in search and rescue)

Order no. MG 5380–c.

*Summary:* Shows weather duties aboard a U. S. Coast Guard ocean station vessel and their relationship to oceanic air travel, including, by animation, how a plane follows a USCG weather-front warning and avoids a storm: radar tracking of weather balloons; and radio transmission of weather data to the U. S. Weather Bureau.

*Buy from* UWF. *Cleared for tv.*

**Weather: Fog** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.

46 fr., b&w, 35 mm.

Order no. FS 1–2004.

*Summary:* Describes the nature, types, and causes of fog.

*Borrow from* AF. *Buy from* UWF.

Weather for the navigator
see Flying the weather map: Weather for the navigator

**Weather: Friend or foe** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.

22 min., sd., b&w, 16 mm.

Order no. AFSR 129.

*Summary:* Explains the use of weather data as a means of facilitating the efficient execution of military operations. Describes weather data compilation and evaluation by U. S. Air Force and U. S. Navy weather services in cooperation with the U. S. Weather Bureau.

*Borrow from* Army.

**Weather map symbols** (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

87 fr., b&w, 35 mm. (Navy quiz, no. 44)

Order no. SN 2542–ar.

*Summary:* Illustrates 4 sets of 18 questions each on weather conditions and symbols.

*Borrow from* Navy.

**Weathermen of the sea** (*Motion picture*) U. S. Coast Guard, 1950.

14 min., sd., b&w, 16 mm.

*Summary:* Describes the functions of and activities aboard a U. S. Coast Guard cutter on weather patrol duty in the North Atlantic.

*Borrow from* CG. *Cleared for tv.*

**Wedge resection for benign gastric ulcer** (*Motion picture*) U. S. Veterans Administration, 1959.

21 min., sd., color, 16 mm.

*Summary:* Describes the surgical technique of a wedge resection for a benign gastric ulcer on the lesser curvature, including the type of abdominal incision utilized and the manner in which the stomach is mobilized, showing the actual extent of resection and the type of repair of the defect in the stomach wall. The gross specimen is seen, and there is a brief discussion of why this type of limited procedure for a benign lesion of the stomach is recommended.

*Borrow from* VA.

**Weed control on irrigation systems** (*Motion picture*) U. S. Bureau of Reclamation, 1952.

30 min., sd., color, 16 mm.

*Summary:* Shows the problems caused by weeds on the banks and in the channels of canals and drains of irrigation systems, and methods to be used in controlling weeds in order to reduce operating problems, maintenance costs, and water losses.

*Borrow from* BR. *Buy from* UWF.

**Weigh-a-day-a month** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

4 min., sd., b&w, 16 mm.

*Summary:* Describes the weigh-a-day-a month plan, developed to enable farmers to spot non-producers in their herds; and shows how county extension offices help the farmer in maintaining his records. For television use.

*Borrow from* DA–MPS. *Buy from* DA. *Cleared for tv.*

**Welcome home** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

20 min., sd., b&w, 16 mm.

Order no. MF 20–1228.

*Summary:* Scenes of American soldiers leaving the U. S. in 1942–43 for overseas duty, in combat overseas, and returning to the U. S. in 1945.

*Borrow from* Army. *Buy from* UWF.

**Welding aluminum tubes with sheets** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

33 fr., b&w, 35 mm.

Order no. SN 145.

*Summary:* Shows the necessary equipment; describes some of the peculiarities of aluminum tube to a flat sheet.

*Borrow from* Navy. *Buy from* UWF.

Welding procedures series. Oxyacetylene welding
see
Oxy-acetylene welding: Light metal

Welding procedures series. Oxygen cutting
see
Manual cutting a bevel: Freehand
Manual cutting a shape: Freehand guided
Manual cutting to a line: Freehand

Welding procedures series. Testing
see
The guided bend test

**We're a team** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

23 min., sd., b&w, 16 mm.

Order no. SFP 365.

*Summary:* Explains that although a B–57 jet bomber is operated by a two-man crew, its flight is made possible by a team of personnel in various departments including maintenance, supply, armament, electronics, weather, control tower, etc., and points out that cooks, clerks, chaplains, medics, nurses, WAFs, librarians, and switchboard operators are also part of the Air Force team.

*Borrow from* AF. *Cleared for tv.*

**West Virginia and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.
32 min., sd., color, 16 mm.
Order no. 241.
*Summary:* Gives a panoramic view of West Virginia, its agriculture, industry, and scenic attractions, with particular emphasis upon its mineral resources and steel mills.
*Borrow from* BM. *Cleared for tv.*

**What causes current flow: EMF** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
3 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8016-f.
*Summary:* Shows an outside force converted into electrical force of attraction; points out that in a circuit the electrical forces of attraction and repulsion taken together are called electromotive force (EMF)
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**What controls current flow: Resistance** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.
4 min., sd., b&w, 16 mm. (Basic electricity series)
Order no. MN 8016-g.
*Summary:* Shows the symbol for resistance to current flow, the atomic basis for resistance in materials, and the effect of the use of a resistor in a circuit.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**What goes up -----** (*Motion picture*) U. S. Dept. of the Army, 1960.
22 min., sd., color, 16 mm.
Order no. MF 45-9501.
*Summary:* Explains the necessity for an effective safety system to control missile flight and the resultant establishment at White Sands Proving Ground, New Mexico, of the surveillance branch of the missile program. Depicts the development of special types of safety equipment, as well as effective methods of plotting and controlling missile flight, predicting point of impact, and cutting-down "bad" missiles.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**What is a farm worth?** (*Motion picture*) U. S. Farm Credit Administration in cooperation with the University of Illinois, 1957. Made by U. S. Dept. of Agriculture.
19 min., sd., color, 16 mm.
Revision of the 1947 motion picture of the same title.
*Summary:* Explains the factors to be considered in appraising a farm, illustrated through the experiences of a young couple interested in buying a farm in Illinois.
*Rent from* DA film libraries. *Buy from* DA. *Cleared for tv.*

**What is diabetes?** (*Filmstrip*) U. S. Public Health Service, 1950.
47 fr., color, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 8 min. (Taking care of diabetes series, no. 1)
Order no. 5-141.
*Summary:* Explains in simple terms the nature of diabetes and its control through diet and the use of insulin.
*Borrow from* PHS. *Buy from* UWF.

**What is disease?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Produced by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.
11 min., sd., color, 16 mm. (Health for the Americas series)
*Summary:* Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

What is disease?
see also
O que e a doença?
Que es enfermedad?

**What price courage** (*Motion picture*) U. S. Dept. of the Army, 1958.
10 min., sd., b&w, 16 mm.
Order no. TF 16-2514.
*Summary:* Examines the subject of human courage through a dramatization of the experience of two soldiers who hit a woman with their car unawares and later, upon learning the facts of the accident, their dilemma concerning admission of guilt.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**What price Iwo** (*Motion picture*) U. S. Navy Dept., 1946. Made by Byron, inc.
11 min., sd., color, 16 mm.
Order no. MN 6519.
*Summary:* Depicts the role of the Medical Corps during the battle of Iwo Jima when casualties reached 1,000 a day. Shows first aid and medical treatment of casualties on the beachheads, evacuation of the wounded by plane, and surgery being performed aboard ship.
*Borrow from* Navy.

**What puts a 4-H girl "in"?** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.
34 double fr., color, 35 mm.
Order no. C-14.
*Summary:* Shows how a 4-H girl meets the problems of proper fitting and selection of dresses and accessories, and gives suggestions on improving personal appearance.
*Buy from* PhotoLab.

**What we face in southern Asia** (*Motion picture.* U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
42 min., sd., b&w, 16 mm.
Order no. OC 3.
*Summary:* U. S. Supreme Court Justice William O. Douglas explains to an officers' conference the political and economic problems in southern Asia and their significance to the U. S. He answers questions on the effect Nehru's departure from the political scene would have on India's policy of neutrality; how to resolve differences between Nehru and SEATO; whether other nations will join SEATO; which of the various Asian programs is considered the most desirable; what can be done to support land reform movements in the South Asian countries; what the dangers are to Burma and Thailand; what can be done to promote better understanding of our intention by the Asian people; and what and where the greatest strength is in South Asia.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**What's my score?** (*Motion picture*) U. S. Veterans Administration, 1947. Made by U. S. Dept. of Agriculture.
20 min., sd., b&w, 16 mm.
*Summary:* Demonstrates the ability of paraplegics to handle jobs in competition with non-handicapped veterans. Shows the basic steps in training a paraplegic and gives examples of veterans with other handicaps performing various jobs.
*Borrow from* VA.

**Wheat kernel classes and varieties** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.
43 double fr., color, 35 mm.
Order no. C-11.
*Summary:* Shows some characteristics of the head and kernel of wheat, with special reference to the hard red winter class.
*Buy from* PhotoLab.

**When it's your turn at the meat counter** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.
28 double fr., color, 35 mm.
Order no. C-16.
With lecture notes.
Revision of the 1951 filmstrip of the same title.
*Summary:* Gives information to assist consumers in purchasing beef, shows the various Federal grades of beef sold at retail, and suggests how beef can best be used by grade and cut.
*Buy from* PhotoLab.

**When work is done** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.
9 min., sd., b&w, 16 mm.
*Summary:* How Sylacauga, Ala., a small town crowded with war plant workers in 1944, solved its housing and recreation problems.
*Buy from* UWF.

**Whistle signals for approaching steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.
17 min., sd., b&w, 16 mm. (Rules of the nautical road series)
Order no. MN 202-j.
*Summary:* Shows by animation the rules for using 1, 2, and 3 blast signals, the danger signal, and the bend signal in various approaching situations.
*Borrow from* Navy. *Buy from* UWF.

**The whites of their eyes** (*Motion picture*) U. S. Dept. of the Army, 1956.
26 min., sd., b&w, 16 mm.
Order no. MF 20-8591.
*Summary:* Discusses the conquest of strength in reserve; reviews crises that threatened national security from the time of the Revolutionary War to the Korean conflict; and stresses the proposition that a trained army with mobile striking power should be supported by a substantial and prepared army reserve.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**The whooping crane** (*Motion picture*) U. S. Fish and Wildlife Service, 1958.
14 min., sd., color, 16 mm.
*Summary:* Presents the life story of the whooping cranes, and their protection by the U. S. Fish and Wildlife Service, State governments, and private organizations.
*Borrow from* FWS. *Cleared for tv.*

**Who's handicapped** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
22 min., sd., b&w, 16 mm.
Order no. SFP 397.
*Summary:* Chief of Staff Nathan F. Twining introduces this film concerning the thousands of physicaly handicapped employees whose skills contribute daily to Air Force progress. Explains procedures for placing these persons in jobs.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Who's too old** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1952.
14 min., sd., b&w, 16 mm.
Order no. MN 7424.
*Summary:* Dramatized story of a veteran who wants to join the Naval Reserve but whose wife objects, saying that he was in the last war, that he is too old, and that they cannot afford it. He reasons with her and persuades her to change her mind.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Why engines are governed** (*Motion picture*) U. S. Dept. of the Army, 1955.
5 min., sd., b&w, 16 mm.
Order no. TF 55-2184.
*Summary:* Explains that the governor on military engines limits the speed of the engine at the point where it develops maximum horsepower. With the aid of a chart, followed by a demonstration on a GMC engine, defines the relationship between horsepower and speed. and shows how the governor on the engine prevents a waste of power.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Why NATO** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
27 min., sd., b&w, 16 mm.
Order no. AFIF 88.
*Summary:* Describes the purpose and development of NATO (North Atlantic Treaty Organization) from its inception to the summit meeting held in December 1957 at the NATO headquarters in Paris.
*Borrow from* Army.

**The why of automation lubrication** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1952.
24 min., sd., color, 16 mm.
Order no. 247.
*Summary:* Explains, principally through animation, the need for lubrication of automobiles and the uses of various oils and greases.
*Borrow from* BM. *Cleared for tv.*

Why we fight series
see
The battle of Britain
Divide and conquer
The Nazis strike
Prelude to war

**Wild fruits for soil conservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.
36 fr., b&w, 35 mm.
Order no. 668.
With lecture notes.
*Summary:* Shows how to use eroded or odd areas of wasteland for the production of edible fruits.
*Buy from* PhotoLab.

**Wildlife and soil conservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.
58 fr., b&w, 35 mm.
Order no. 670.
With lecture notes.
*Summary:* Shows how farmers can increase and protect wildlife by improving their land pattern, providing travel lanes, and growing suitable vegetation on wasteland.
*Buy from* PhotoLab.

**Wildlife and the human touch** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
19 min., sd., color, 16 mm.
*Summary:* Pictures characteristic forest animals in their native habitat in the National forests, and explains what the U. S. Forest Service is doing to protect the animals and their habitat.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Wildlife and timber** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
6 min., sd., color, 16 mm.
*Summary:* Explains how Federal, State, and private agencies work together to maintain a scientific relationship between wildlife and timber in the Ocala National Forest in Florida.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Wildlife management through soil conservation in the northeast** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.
50 fr., b&w, 35 mm.
Order no. 562.
With lecture notes.
*Summary:* Shows how engineering practices and wise planting save soil and make otherwise useless land a refuge and source of feed for wildlife.
*Buy from* PhotoLab.

**Will for peace** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.
33 min., sd., b&w, 16 mm.
*Summary:* Contrasts the post-war activities of the United States with those of Russia; shows how the United States has worked toward peace through the UN, UNRRA, the Marshall Plan, etc., while Russia has concentrated its activities upon preparations for war. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**The Wilson Dam School** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.
20 min., sd., b&w, 16 mm.
*Summary:* Photographic survey of the activities and curriculum of an elementary school during the time, 1933-41, that it was operated by the Tennessee Valley Authority under the guidance of the Alabama State Dept. of Education. Shows activities of the children with emphasis upon the full development of each child.
*Borrow from* TVA. *Cleared for tv.*

**Winches and booms** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.
18 min., sd., b&w, 16 mm. (Military stevedoring series, no. 3)
Order no. TF 55-1093.
*Summary:* Explains the construction and operation of winches; and shows how a signalman uses various hand motions in directing winch operators.
*Borrow from* Army. *Buy from* UWF.

**Wind and the navigator: In-flight analysis** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
8 min., sd., color, 16 mm.
Order no. TF 1-5206c.
*Summary:* Illustrates the navigator's duties while in flight, including determination of wind changes, drift causes, and flight path corrections.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Wind and the navigator: Jet streams** (*Motion picture*) U. S. Dept. of the Air Force, 1959.
15 min., sd., color, 16 mm.
Order no. TF 1-5206d.
*Summary:* Explains the high velocity wind currents, called jet streams, and shows how aircraft navigators save fuel and flight time through use of these forces. Discusses altitude velocity, seasonal changes, direction, and turbulence.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Wind and the navigator: Pre-flight planning** (*Motion picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., color, 16 mm.
Order no. TF 1-5206b.
*Summary:* Demonstrates how a wind flow chart, using weather data values and scales, is prepared, and shows how a flight patch is determined.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Wind and the navigator: Wind theory** (*Moton picture*) U. S. Dept. of the Air Force, 1957.
15 min., sd., color, 16 mm.
Order no. TF 1-5206a.
*Summary:* Discusses the theory of wind forces and patterns, pressure gradient force, pressure surfaces, coriolis force, geostrophic winds, friction and centrifugal force.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Wind erosion control through tillage and ridge planting** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
37 double fr., color, 35 mm.
Order no. C-63.
With lecture notes.
*Summary:* A film report of studies on wind erosion control on irrigated lands through tillage and ridge planting, as demonstrated at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
*Buy from* PhotoLab.

**Wind erosion control under irrigation** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.
40 double fr., color, 35 mm.
Order no. C-62.
With lecture notes.
*Summary:* A film report of studies on wind erosion control on irrigated lands as demonstrated at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
*Buy from* PhotoLab.

**Wind erosion; its control on the southern Great Plains** (*Filmstrip*) U. S. Dept. of Agriculture, 1937.
45 fr., b&w, 35 mm.
Order no. 456.
With lecture notes.
*Summary:* Shows causes and effects of wind erosion, and how to prevent and control such erosion through conservation practices.
*Buy from* PhotoLab.

**Wind-tunnel investigation at low speeds of flight characteristics of a sweptback-wing jet-transport airplane model equipped with an external-flow jet-augmented slotted flap** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.
7 min., si., color, 16 mm.
Order no. L-207.
*Summary:* Deals with a wind-tunnel investigation at low speeds made to determine the flight characteristics of a model of a swept-back-wing jet-transport airplane equipped with an external-flow jet-augmented slotted flap. The model was flown over a life-coefficient range up to 12.5. For lift-coefficients higher than about 6, a downwardly directed nose jet was used to supplement the trimming power of the horizontal tail. For technical personnel to be used with NACA Technical note 4255: Wind-tunnel investigation at low speeds of flight characteristics of a sweptback-wing jet-transport airplane model equipped with an external-flow jet augmented slotted flap.
*Borrow from* NASA.

**Wind-tunnel tests of opening characteristics of various baseball-type hemispherical parachutes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.
15 min., si., b&w, 16 mm.
*Summary:* Shows opening characteristics of parachutes in wind-tunnel tests conducted by the NACA. Incomplete. For technical personnel, to be used only with NACA Technical note 1869: Wind-tunnel investigation of the opening characteristics, drag, and stability of several hemispherical parachutes.
*Borrow from* NASA.

**Window clerk meets the public** (*Motion picture*) U. S. Post Office Dept., 1954. Made by U. S. Dept. of Agriculture.
20 min., sd., b&w, 16 mm.
*Summary:* Demonstrates the importance of window courtesy and efficient service to the mailing public, and describes various techniques which may be used. For training postal clerks.
*Borrow from* PO. *Cleared for tv.*

**Wing assembly: The bow tip** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
24 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 6)
Order no. OE 284.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to fit the bow tip strip to the leading edge strip; make the spar tip joint; install the ribs; shape the bow tip; apply and glue the bow tip skins; and varnish the surface.
*Buy from* UWF.

**Wing assembly: The bow tip** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
36 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 6)
Order no. OE 284-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Wing assembly: The inboard panel** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.
19 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 5)
Order no. OE 300.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to install subassemblies in a jig; apply and glue the skins; apply and remove pressure strips; finish the outside surface; and inspect the completed assembly.
*Buy from* UWF.

**Wing assembly: The inboard panel** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.
35 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 5)
Order no. OE 300-fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Wing assembly: The nose section** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

20 min., sd., b&w, 16 mm. (Aircraft work series. Wood fabrication, no. 4)
Order no. OE 299.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to position the main spar in the jig; install the webbed ribs, junction rib, regular ribs, and leading edge strip; apply and glue the skins; and finish the surface of the nose section.
*Buy from* UWF.

**Wing assembly: The nose section** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

44 fr., b&w, 35 mm. (Aircraft work series. Wood fabrication, no. 4)
Order no. OE 299–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Winged scourge** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

10 min., sd., color, 16 mm.
*Summary:* Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.
*Borrow from* PHS. *Buy from* UWF. *Cleared for tv. Prior authorization required.*

Winged scourge
see also
Malaria; guerra ao mosquito
La pesta alada

**Winged victory on foot: 43d Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

14 min., sd., b&w, 16 mm.
Order no. MF 130–7553.
*Summary:* History of the U. S. 43d Infantry Division from its activation in 1941 throughout World War II.
*Borrow from* Army. *Buy from* UWF.

**Winged wizardry** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

3 min., sd., b&w, 16 mm.
Order no. SFP 413.
*Summary:* Scenes of a quartet of jet pilots in F–84's accomplishing the cork-screw roll, the loop, and the single cloverleaf.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Wings for Roger Windsock** (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Jam Handy Organization.

14 min., sd., b&w, 16 mm.
Order no. SFP 270.
*Summary:* An animated cartoon story of a boy who dreams of piloting early airplanes and of the exciting adventures of an airplane pilot—saving lives, putting out forest fires—and comes to realize how much aviation has changed the world.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Wings over Brazil** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

14 min., sd., b&w, 16 mm.
*Summary:* Shows progress in aviation made by Brazil during World War II.
*Buy from* UWF.

**Winter cover crops and crop residues for wind erosion control** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

48 double fr., color, 35 mm.
Order no. C–65.
With lecture notes.
*Summary:* A film report of studies on wind erosion control on irrigated lands, showing the use of winter cover crops and crop residues at the Wind Erosion Control Farm, Columbia Basin, Prosser, Wash.
*Buy from* PhotoLab.

**Wire drag: A method of hydrographic surveying** (*Motion picture*) U. S. Coast and Geodetic Survey, 1954.

15 min., sd., color, 16 mm.
*Summary:* Explains the importance of accurate charts of harbor areas and of possible underwater obstructions, and describes the U. S. Coast and Geodetic Survey method of using a wire drag towed by two vessels to locate such obstructions.
*Borrow from* CGS.

**Wire rope terminal connections** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

31 min., sd., b&w, 16 mm. (Shipbuilding skills series. Rigging)
Order no. MN 2340–g.
*Summary:* Demonstrates how to make and test the following terminal connections—clips, eye splices, and metallic splices.
*Borrow from* Navy. *Buy from* UWF.

**Wire sizes and voltage drop** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

13 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 4])
Order no. OE 372.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Factors influencing the ability of conductors to carry electron flow; measurement of wire sizes; wire area in circular mils; voltage drop; and Ohm's law.
*Buy from* UWF.

**Wire sizes and voltage drop** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

26 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 4])
Order no. OE 372–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Wiring old buildings with armored cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

22 min., sd., b&w, 16 mm. (Electrical work series. Wiring [no. 8])
Order no. OE 379.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* How to install outlet boxes; cut and strip armor from cable; attach cable to outlet boxes; run armored cable; repair openings in walls; and join conductors at ceiling outlet.
*Buy from* UWF.

**Wiring old buildings with armored cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

38 fr., b&w, 35 mm. (Electrical work series. Wiring [no. 8])
Order no. OE 379–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

Wiring series
see Electrical work series. Wiring.

**Wiring telltale panel** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

17 min., sd., b&w, 16 mm. (Shipbuilding skills series. Marine electricity, no. 6)
Order no. OE 115.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Purpose of telltale units; how to strip cable; form and lace conductors on a jig; strip the ends of conductors and put on lugs; and hook up conductors and test the connections.
*Buy from* UWF.

**Wiring telltale panel** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.
49 fr., b&w, 35 mm. (Shipbuilding skills series. Marine electricity, no. 6)
Order no. OE 115–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**Wise parents, healthy babies** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
11 min., sd., color, 16 mm.
*Summary:* Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.
*Buy from* UWF. *Cleared for tv.*

Wise parents, healthy babies
see also
Conselhos para as mães
Cuidado de la madre

**With malice toward some** (*Motion picture*) U. S. Dept. of the Army, 1957.
10 min., sd., b&w, 16 mm.
Order no. TF 16–2511.
*Summary:* Dramatized story illustrating the concept of prejudice. Made for use by Army chaplains.
*Borrow from* Army.

**With the Marines at Tarawa** (*Motion picture*) U. S. Marine Corps, 1944.
19 min., sd., color, 16 mm.
Order no. MH 3527.
*Summary:* Film record, mostly combat photography, of the Battle of Tarawa in November 1943.
*Borrow from* Navy.

**With the Marines: Chosin to Hungnam** (*Motion picture*) U. S. Dept. of the Navy, 1951.
24 min., sd., b&w, 16 mm.
Order no. MN 7314.
*Summary:* Documentary film record of the withdrawal from the Chosin Reservoir area and the naval evacuation operation at Hungnam.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Within the town** (*Motion picture*) U. S. Veterans Administration, 1952.
24 min., sd., b&w, 16 mm.
*Summary:* Explains the volunteer service programs being carried on in Veterans Administration hospitals, and stresses the importance of these services as a supplement to the regular hospital program.
*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

**Women in defense** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.
11 min., sd., b&w, 16 mm.
*Summary:* Shows how women in 1942 contributed to the war programs in science, industry, and the voluntary services.
*Buy from* UWF.

**Women in the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by American Film Producers.
14 min., sd., b&w, 16 mm.
Order no SFP 258.
*Summary:* Shows the training of WAF's at Lackland Air Force base; technical, administrative, and specialists' jobs open to women in the Air Force; and educational and recreational opportunities available to WAF's.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

Wood fabrication series
see Aircraft work series. Wood frabrication

**Wood preservation: Control of wood destroying organisms** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.
24 min., sd., color, 16 mm.
Order no. MN 8167–b.
*Summary:* Outlines methods which can be employed to control wood destroying organisms—physical control by correcting conditions which enable fungi or insects to attack wood; chemical control by killing the organisms by means of toxic chemicals or preventing access to wood by creating a barrier of poisoned soil; and wood preservation through treating wood by various processes to make it unavailable as a food source for insects or fungi.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**Wood preservation: Inspection for wood destroying organisms** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.
18 min., sd., color, 16 mm.
Order no. MN 8167–a.
*Summary:* Describes problems faced by the Navy in maintaining its wooden structures. Explains that wood does not naturally decay, but is destroyed by living organisms—fungi and insects—and shows how to inspect for and identify these wood-destroying organisms.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**The woodcock** (*Motion picture*) U. S. Fish and Wildlife Service, 1953.
14 min., sd., color, 16 mm.
*Summary:* Explains the conservation program of management and utilization of the woodcock, one of the game birds common to the eastern United States.
*Borrow from* FWS. *Cleared for tv.*

**Woodland manners** (*Motion picture*) U. S. Dept. of Agriculture, 1952.
20 min., sd., color, 16 mm.
*Summary:* Shows that it is important for persons who visit the National forests to observe the necessary sanitary measures, be careful with fire, and leave picnic spots in good condition.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

Words as a team
see Practical English usage I, lecture 3 [-4]: Words as a team

**Work horse of the western front: 30th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.
18 min., sd., b&w, 16 mm.
Order no. MF 130–7585.
*Summary:* History of the activities of the 30th Infantry Division during World Wars I and II. Shows combat scenes in Normandy, St. Lo, Belgium, and Holland.
*Borrow from* Army.

Work of shipfitter and shipwright series
see Shipbuilding skills series. Work of shipfitter and shipwright

**Work simplification** (*Motion picture*) U. S. Army Air Forces, 1945.
19 min., sd., b&w, 16 mm.
Order no. TF 1–3742.
*Summary:* Shows methods of eliminating unnecessary clerical duplication and of developing more effective use of available manpower.
*Borrow from* AF. *Cleared for tv.*

**Work simplification in the office** (*Motion picture*) U. S. Dept. of the Army, 1954.
25 min., sd., b&w, 16 mm.
Order no. TF 29–1737.
*Summary:* Explains the five tools used in work simplification: work distribution chart, flow process chart, work count, motion economy analyses, and layout studies. Illustrates specific examples of work simplification ideas that have been put into effect in various offices.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Work simplification in the shop** (*Motion picture*) U. S. Dept. of the Army, 1954.
17 min., sd., b&w, 16 mm.
Order no. TF 20–1738.
*Summary:* Defines the work simplification program as it applies to the Army, in both the military and civilian phases. Analyzes work simplification tools including work distribution chart, work count, flow process chart, motion economy, and work layout studies.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Working for better public health through recognition of feelings** (*Motion picture*) U. S. Public Health Service, 1953.
25 min., sd., b&w, 16 mm.
Order no. M 8.
*Summary:* Shows synchronous treatment of interviews typical of both acceptable and unacceptable human relations situations in public health work, discusses the problems involved, and advances the theory that it is better to uncover and discuss feelings than to concentrate entirely upon the problem itself.
*Borrow from* PHS. *Buy from* UWF.

**Working for the U. S. A.** (*Motion picture*) U. S. Dept. of the Army, 1957.
14 min., sd., b&w, 16 mm.
Order no. MF 61–8810.
*Summary:* Explains the nature and significance of Federal civil service employment—how positions are obtained, wage scales, opportunities for advancement, and fringe benefits. Gives particular attention to the requirements for qualified clerical, technical, and professional employees in the various departments.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Working through college** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1951.
20 min., sd., b&w, 16 mm.
*Summary:* Story of a college student and the assistance provided him by a student employment adviser in finding a job which helps meet his expenses and enables him to acquire practical experience in the field he has chosen as a career. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Working with other supervisors** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.
8 min., sd., b&w, 16 mm. (Problems in supervision series)
Order no. OE 153.
With instructor's manual.
*Summary:* Shows how a supervisor fails because he does not recognize the importance of working harmoniously with other people, particularly with his fellow supervisors.
*Buy from* UWF.

**The world at war** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.
44 min., sd., b&w, 16 mm.
*Summary:* Traces the trend toward war during the decade, 1931–1941, showing the events in Asia and Europe from the Japanese invasion of Manchuria in 1931 to the bombing of Pearl Harbor.
*Buy from* UWF.

**World in a schoolroom** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by International Movie Producers Service. Released for public educational use through U. S. Office of Education, 1951.
17 min.; sd., b&w, 16 mm.
*Summary:* Portrays citizens of Manhasset, L. I., N. Y., visiting the school to demonstrate their skills so that students may see the application of principles and techniques taught them by instructors. Prepared for use in occupied areas.
*Buy from* UWF. *Cleared for tv. Prior authorization required.*

World War II and after
see American history II, lecture 14: World War II and after

**World wide naval operations in peace and war, 1815–1860** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Creative Arts Studio.
23 min., sd., color, 16 mm. (History of the United States Navy)
Order no. FN 6943–d.
*Summary:* Describes contributions to naval science, such as the development of steam power, the screw propeller, improved ordnance, oceanography, and exploration; the Navy's role in protecting American citizens and promoting trade throughout the world; and the Navy's support of military operations in Florida, Mexico, and California.
*Borrow from* Navy. *Buy from* UWF. *Cleared for tv.*

**World-wide physiological data transmission** (*Motion picture*) U. S. Navy Dept., 1958.
15 min., sd., b&w, 16 mm.
Order no. MED 2–58.
*Summary:* Demonstrates the use of an electronic system devised at the Naval Medical Research Institute for the transmission of physiological information over great distances. Shows how special transmitting equipment worn by the pilot of an aircraft sends out data indicating his physiological condition, and how these data are received, recorded, and presented for immediate use or later study by medical officers. Suggests future uses of the system, transmission of physiological data from manned outer-space vehicles, and long-distance diagnostic consultation including the use of ordinary telephone lines in the circuit.
*Borrow from* Navy.

**Worms in your muscles** (*Filmstrip*) U. S. Public Health Service, 1948.
52 fr., b&w, 35 mm. and disc: 1 s., 16 in., 33⅓ rpm, 10 min.
Order no. 5–095.
With film guide.
Adapted from the filmstrip Spread and prevention of trichinosis.
*Summary:* Discusses the life cycle of *Trichinella spiralis*; the medical implications of trichinosis; and control measures and consumer precautions.
*Borrow from* PHS. *Buy from* UWF.

**Worship in life** (*Motion picture*) U. S. Dept. of the Army, 1959.
7 min., sd., b&w, 16 mm.
Order no. TF 16–2745.
*Summary:* Dramatized story illustrating the concept of worship. Made for use of Army chaplains.
*Borrow from* Army.

**Wound of left hand, debridement and closure** (*Motion picture*) U. S. Dept. of the Navy, 1954.
8 min., si. at sd. speed, color, 16 mm. (Operative management of war injuries in the field)
Order no. MN 8056–l.
*Summary:* Shows an X-ray lateral view of an injury with the bone blown forward from impact of the missile; thoroughness of exploration, debridement, removal of bone fragments, lavage, and closure with a Pembrose drainage; use of a pneumatic tourniquet for absolute hemostasis during the operation; removal of a Volar molded plaster splint, appearance of the wound, removal of drains, and function of the hand on the 5th day; and the healed wound and function of the hand 3 weeks after the injury.
*Borrow from* Navy.

**Wound rotor controllers** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.
17 min., sd., b&w, 16 mm. (Electrical work series. Motor control, no. 4)
Order no. OE 391.
With instructor's manual. Supplementary filmstrip of same title also available.
*Summary:* Wound rotor motor principles; operation of a faceplate controller, drum-type nonreversing controller, drum-type reversing controller, and automatic magnetic starter for a wound rotor motor.
*Buy from* UWF.

**Wound rotor controllers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.
40 fr., b&w, 35 mm. (Electrical work series. Motor control, no. 4)
Order no. OE 391–fs.
With instructor's manual. Supplements motion picture of same title.
*Buy from* UWF.

**The wounded bear theory with Daniel L. Schorr** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

40 min., sd., b&w, 16 mm.

Order no. WA 2.

*Summary:* Daniel L. Schorr, American correspondent for CBS in Moscow, explains "the wounded bear theory" related to the Soviet Union, and answers questions including what priority is placed on the Far East and Middle East program; has the Hungarian revolution created doubt as to the effectiveness of teaching the Communist ideology to the youth behind the Iron Curtain; to what extent will concessions be made to satellites; what is the nature of Soviet interest in Eastern Europe and the Middle East; what is the Soviet attitude on the "open sky" proposal; how effective is American propaganda in Russia; what strides have been made in education, medicine, and general standard of living; and what is the future of Soviet communism.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Wounds of the face and jaw** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

19 min., sd., color, 16 mm. (Early care of plastic surgical cases series)

Order no. MN 2715–b.

*Summary:* Shows a complete operation including wiring the jawbone, sewing the inside of the mouth, reworking the nose, face, and respiratory system. For medical personnel.

*Borrow from* Navy. *Buy from* UWF.

**Wounds of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

14 min., sd., color, 16 mm. (Early care of plastic surgical cases series)

Order no. MN 2715–a.

*Summary:* Shows the parts and structure of the hand. Explains the desirability of primary closure of wounds in combat areas with elective surgery and plastic surgery reserved for special hospitals in the United States. For medical personnel.

*Borrow from* Navy. *Buy from* UWF.

**Wrenches** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

19 min., sd., b&w, 16 mm. (Care and use of hand tools series, no. 1)

Order no. TF 9–2026.

*Summary:* Explains the uses and advantages of various wrenches, and shows the damage which may result from incorrect and dangerous practices in using them.

*Borrow from* Army. *Buy from* UWF.

**Wright-Patterson Air Force Base** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

19 min., sd., b&w, 16 mm.

Order no. RTAF 149.

*Summary:* Explains the work of the Air Matériel Command and the Wright Air Development Center at Wright-Patterson Air Force Base in Ohio.

*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

Writing clear sentences
see Practical English usage I, lecture 10 [-12]:
Writing clear sentences

**Wyoming and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

30 min., sd., color, 16 mm.

Order no. 234.

*Summary:* Panoramic treatment of the mineral resources, agriculture, forestry, stock raising, industry, parks and monuments, and scenic attractions of Wyoming. Emphasizes the production of petroleum and natural gas.

*Borrow from* BM. *Cleared for tv.*

# XYZ

**X minus 80 days** (*Motion picture*) U. S. Dept. of the Army, 1958.

30 min., sd., color, 16 mm.

Order no. Project 16875.

*Summary:* A pictorial review of events during the 80 days immediately preceding the launching of the satellite Explorer on January 31, 1958.

*Borrow from* Army. *Buy from* UWF.

**X-ray inspection** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

21 min., sd., b&w, 16 mm. (Engineering series)

Order no. OE 173.

Supplemented by filmstrip with same title.

With instructor's manual.

*Summary:* Use of radiographs in industry; generation of X-rays in the X-ray tube; wave nature of X-rays; procedure in making radiographs; and interpretation of radiographs for defects in metals.

*Buy from* UWF.

**X-ray inspection** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

54 fr., b&w, 35 mm. (Engineering series)

Order no. OE 173–fs.

Supplements motion picture of the same title.

With instructor's manual.

*Buy from* UWF.

**The X–17 story** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

22 min., sd., color, 16 mm.

Order no. SFP 635.

*Summary:* Traces the development of the X–17, a three-stage test missile designed to solve the re-entry problem, from drawing board to its test at a Cape Canaveral launching pad.

*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**A year in America** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

30 min., sd., b&w, 16 mm.

*Summary:* Portrays Japanese exchange students studying at an American university. Prepared for use in occupied areas, particularly in Japan.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**You and your job** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

10 min., sd., b&w, 16 mm. (Small milk plant operation)

*Summary:* Emphasizes and illustrates the concept that trained, responsible men are essential in the processing of safe, pasteurized milk. For milk handlers and sanitarians.

*Borrow from* PHS. *Buy from* UWF.

**You can hear again** (*Motion picture*) U. S. Veterans Administration, 1949.

30 min., sd., b&w, 16 mm.

*Summary:* Dramatized story of a veteran who finally recognizes his defective hearing and, through the aural rehabilitation program of the Veterans Administration, learns to compensate for his hearing difficulty and to lead a normal life.

*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

**You can lick TB** (*Motion picture*) U. S. Veterans Administration, 1949.

18 min., sd., b&w, 16 mm.

*Summary:* Presents the dramatized story of a typical tuberculosis patient in a Veterans Administration hospital. Stresses the importance of rest, readjustment to a less strenuous life, and taking an interest in the VA rehabilitation program in order to become fitted for work within one's physical capacities.

*Borrow from* VA. *Buy from* UWF. *Cleared for tv.*

**You in Great Britain** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.
34 min., sd., b&w, 16 mm.
Order no. AFIF 56.
*Summary:* Describes highlights of British history, life in Britain today, and the customs and qualities of the British people.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**You in Japan** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFIF 78.
*Summary:* Presents a pictorial tour of major Japanese cities and outlying areas, and explains political, economic, social, religious, and military aspects of Japan.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**You too are the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Princeton Film Center.
15 min., sd., b&w, 16 mm.
Order no. MN 6775–b.
*Summary:* Explains and illustrates the importance of civilian work in the U. S. Navy.
*Borrow from* Navy.

**Young Uruguay** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.
17 min., sd., b&w, 16 mm.
*Summary:* Shows the young people of Uruguay at home, play, and school; and emphasizes progressive steps being made in education.
*Buy from* UWF.

**Your Air Force in action** (*Motion picture*) U. S. Dept. of the Air Force, 1950.
14 min., sd., b&w, 16 mm.
Order no. SFP 256.
*Summary:* Scenes of the U. S. Air Force in Korea providing airlift facilities and air support for United Nations troops, evacuating civilian personnel, transporting troops and supplies, supporting ground troops, and carrying out strafing and bombing missions.
*Borrow from* AF. *Buy from* UWF. *Cleared for tv.*

**Your Army in disaster relief** (*Motion picture*) U. S. Dept. of the Army, 1949.
18 min., sd., b&w, 16 mm.
Order no. MF 19–7546.
*Summary:* Shows how the Army aids stricken communities: its work following the explosion at Texas City, Texas, and in snowbound and flooded areas.
*Borrow from* Army. *Buy from* UWF.

**Your audience, bless 'em** (*Motion picture*) U. S. Dept. of Agriculture, 1959.
11 min., sd., color, 16 mm.
*Summary:* Portrays, using fantasy and actual incidents, the problem of the information man, the communicator, the salesman, and the showman in finding, holding, and influencing an audience. Dramatizes the "gimmick"—what it is and how to use it effectively.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Your bright tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1957.
20 min., sd., color, 16 mm.
Order no. MF 12–8765.
*Summary:* Describes the opportunities in the U. S. Army Medical Corps for women college graduates to train as dieticians, physical therapists, and occupational therapists.
*Borrow from* Army.

**Your Congressman at work** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.
22 min., sd., color, 16 mm.
Originally released under the title The man on the Hill.
Order no. AFIF 79.
*Summary:* Presents a typical day in the life of a member of Congress, and urges all members of the Armed Forces to become familiar with the issues and candidates in forthcoming elections, and to vote.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Your defense** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.
20 min., sd., b&w, 16 mm.
Order no. AFSM 557.
*Summary:* Describes the preparedness of the armed services in terms of new weapons and equipment, the military assistance program for allies and friendly nations, research and development, construction and maintenance of military quarters and hospitals, and the radar early warning system. Includes an introduction by Secretary of Defense Neil H. McElroy.
*Borrow from* Army. *Cleared for tv.*

**Your driving habits** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
15 min., sd., b&w, 16 mm. (Automotive operation and maintenance series. Automobile operation, no. 2)
Order no. OE 487.
With instructor's manual. Supplemented by filmstrip of same title.
*Summary:* Elements of good driving; how to start the engine; use the clutch and shift gears; use brakes; drive on curves, in mountainous country, and through snow and mud; and park a car.
*Buy from* UWF.

**Your driving habits** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.
40 fr., b&w, 35 mm. (Automotive operation and maintenance series. Automobile operation, no. 2)
Order no. OE 487–fs.
Supplements motion picture of the same title.
With instructor's manual.
*Buy from* UWF.

Your enemy: Grasshopper
see
Grasshoppers can be controlled

**Your health center** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
*Summary:* Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.
*Buy from* UWF. *Cleared for tv.*

Your health center
see also
El centro de salubridad
A policlínica da sua cidade

**Your job and the psychiatric patient. Part 1: The psychiatric patient** (*Filmstrip*) U. S. Veterans Administration, 1947.
56 fr., b&w, 35 mm.
Similar version for V. A. contact representatives released in 1946 with title The difficult ones. Part 1: Psychiatric problems met by the contact representative.
*Summary:* Reviews through the use of cartoons and captions some of the more common psychiatric behavior patterns in veterans. Directed toward V. A. hospital attendants who deal with neuropsychiatric patients.
*Borrow from* VA.

Your Job and the psychiatric patient. Part 1: The psychiatric patient
see also
The difficult ones. Part 1: Psychiatric problems met by the contact representative

**Your job and the psychiatric patient. Part 2: How the patient may affect the attendant** (*Filmstrip*) U. S. Veterans Administration, 1947.
36 fr., b&w, 35 mm.
Similar version for V. A. contact representatives released in 1946 with title The difficult ones. Part 2: Their effect upon the contact representatives.
*Summary:* Explains through the use of cartoons and captions some of the reactions of V. A. hospital attendants to neurotic and psychotic behavior of patients, and urges attendants to regard such behavior as symptoms of illness.
*Borrow from* VA.

Your job and the psychiatric patient. Part 2: How the patient may affect the attendant
see also
The difficult ones. Part 2: Their effect on the contact representatives

**Your job and the psychiatric patient. Part 3: The attendant helps the patient** (*Filmstrip*) U. S. Veterans Administration, 1947.
45 fr., b&w, 35 mm.
Similar version for V. A. contact representatives released in 1946 with title The difficult ones. Part 3: Getting help for the veterans with emotional problems.
*Summary:* Suggests, through the use of cartoons and captions, ways in which V. A. hospital attendants should conduct themselves in working with neuropsychiatric patients.
*Borrow from* VA.

Your job and the psychiatric patient. Part 3: The attendant helps the patient
see also
The difficult ones. Part 3: Getting help for the veterans with emotional problems

**Your job in the Signal Corps** (*Motion picture*) U. S. Dept. of the Army, 1951.
20 min., sd., b&w, 16 mm.
Order no. MF 11-7803.
*Summary:* Describes the role of the U. S. Army Signal Corps in time of war and peace, including its responsibilities for all types of communications, land mines, submarine cables, and radio networks.
*Borrow from* Army. *Cleared for tv.*

**Your legal status in the Republic of Germany** (*Motion picture*) U. S. Dept. of Defense, 1959.
50 min., sd., b&w, 16 mm.
Order no. AFIF 92.
*Summary:* Outlines the legal status of American service men and their families in West Germany. Dramatizes various situations, including a hit and run accident, to show the legal implications that can arise. Emphasizes the importance of abiding by the Status of forces agreement governing the rights, obligations, and conduct of members of a foreign force on the territory of a NATO (North Atlantic Treaty Organization) nation.
*Borrow from* Army. *Buy from* UWF. *Cleared for tv.*

**Your Marine Band from then to now** (*Motion picture*) U. S. Marine Corps, 1954. Made by U. S. Dept. of the Navy.
27 min., sd., b&w, 16 mm.
Order no. MH 8058.
*Summary:* Presents a history of the U. S. Marine Band narrated by the present (1954) leader of the Band, Lt. Col. Wm. F. Santelmann, with the Band playing arrangements of well-known songs of the past on instruments of the period in which the song first became known.
*Borrow from* Navy. *Cleared for tv.*

**Your meat inspection service** (*Motion picture*) U. S. Dept. of Agriculture, 1956.
28 min., sd., color, 16 mm.
*Summary:* Explains the work of the Federal meat inspection service; shows meat inspectors working in stockyards and processing plants, examining live animals and carcasses, and testing meat products in laboratories; and emphasizes the importance of the "stamp of approval" on meat products.
*Rent from* DA film libraries. *Buy from* UWF. *Cleared for tv.*

**Your money's worth** (*Motion picture*) Federal Reserve Bank of Richmond, 1953. Made by Byron, inc.
38 min., sd., color, 16 mm.
*Summary:* Explains the nature and uses of money, the economic disorders that bring about changes in the value of the dollar, and measures that can be taken to prevent or treat these disorders.
*Borrow from* FRB.

**Your National Archives** (*Motion picture*) U. S. National Archives, 1956. Made by U. S. Dept. of the Air Force.
19 min., sd., color, 16 mm.
*Summary:* Portrays and explains the functions of the National Archives of the U. S., including preservation of Federal records (documents, publications, maps, recordings, photographs, films, etc.), exhibition of important historical documents, reference service pertaining to its materials, and reproduction upon request of these materials on microfilm and as photostat copies.
*Borrow from* Archives.

**Your National Guard** (*Motion picture*) U. S. Dept. of the Army, 1951.
15 min., sd., b&w, 16 mm.
Order no. MF 7875.
*Summary:* Traces the history and activities of the National Guard from 1772 to the present time, and points out the importance of its citizen soldiers.
*Borrow from* Army. *Buy from* UWF.

**Your part in position classification** (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.
15 min., sd., color, 16 mm.
Order no. MN 5366.
*Summary:* Explains various civil service positions in the U. S. Navy Dept.; and stresses the importance of accurate job descriptions.
*Borrow from* Navy. *Buy from* UWF.

**Your proudest duty** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1951.
26 min., sd., b&w, 16 mm.
Order no. TF 10-1473.
*Summary:* Explains the duties and responsibilities of military personnel escorting bodies of war dead to their families for reinterment.
*Borrow from* Army. *Buy from* UWF.

**Your safety belt** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.
45 fr., b&w, 35 mm.
Order no. SN 1259.
*Summary:* Stresses the importance of having the safety belt properly fastened, shows some of the reasons causing it to come loose, and gives precautions to be observed in the use of the belt. Discusses army, navy, and commercial belts.
*Borrow from* Navy.

**Your soil bank** (*Motion picture*) U. S. Dept. of Agriculture, 1957.
5 min., sd., b&w, 16 mm.
*Summary:* Shows how farmers can obtain help from and information about the Soil bank program. For television use.
*Borrow from* DA-MPS. *Buy from* DA. *Cleared for tv.*

**Your soil, your future** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.
8 min., sd., color, 16 mm.
*Summary:* Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.
*Buy from* UWF. *Cleared for tv.*

Your soil, your future
see also
Conservação do solo
Conservación de la tierra fértil

**Yugoslavia** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.
11 min., sd., b&w, 16 mm.
Order no. AFIF 34.
*Summary:* Explains Yugoslavia's geography, people, political history, government, economic structure, and importance in world affairs. Prepared for use by U. S. Armed Forces personnel.
*Borrow from* Army. *Cleared for tv.*

**The Yukawa story** (*Motion picture*) U. S. Information Agency, 1955. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1955.

41 min., sd., b&w, 16 mm.

*Summary:* Reviews the life of the atomic physicist and Nobel prize winner in nuclear physics, Dr. Hideki Yukawa. The scientist's son, Taka-aki Yukawa, narrates the story of the lives of his father and mother and explains the philosophies they represent. As he interprets their lives, Taka-aki sees the complementary blending of modern day science and the cultural heritage of the past. Prepared for overseas use.

*Buy from* UWF. *Cleared for tv. Prior authorization required.*

**Zinc, its mining, milling, and smelting** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1948.

30 min., sd., b&w, 16 mm.
Order no. 230.

*Summary:* Locates zinc-ore areas in the United States; describes the process of mining the ore, transporting it to the mill, and smelting the ore to produce zinc oxide and metallic zinc; and illustrates some of the principal industrial uses of zinc.

*Borrow from* BM. *Cleared for tv.*

**The zipper fleet** (*Motion picture*) U. S. Dept. of the Navy, 1947.

9 min., sd., b&w, 16 mm.
Order no. MN 6647.

*Summary:* Shows how ships are put into "moth balls" and the continuous efforts to keep them seaworthy and ready for active duty.

*Borrow from* Navy.

# *U. S. Government Films for Public Educational Use: Subject Index*

## A

A S T I A see U. S. Armed Services Technical Information Agency

A W O L see Absence without leave

ABDOMEN

see also Intestines; Kidneys; Liver; Peritoneum; Stomach

—SURGERY

**Colostomy closure (End to end anastomosis)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Initial surgery of abdominal wounds** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Missile wound of abdomen: Exploratory laparotomy: repair of liver perforation** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Missile wound of abdomen: Negative exploratory laparotomy** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Missile wound of buttock with perforation of rectum: Exploratory laparotomy; simple loop colostomy** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Missile wound of the abdomen: Exploratory laparotomy, resection of intestine, end to end anastomosis** (*Motion picture*) U. S. Dept. of the Navy, 1954.

—WOUNDS AND INJURIES

**Penetrating wounds of the abdomen** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.

ABDOMINAL ANEURYSM

**Abdominal aortic aneurysm replacement with nylon graft** (*Motion picture*) U. S. Veterans Administration, 1957.

ABEL, RUDOLF I

**The hollow coin** (*Motion picture*) U. S. Dept. of the Army, 1960.

ABERDEEN, MD. PROVING GROUND see U. S. Proving Ground, Aberdeen, Md.

ABRASIVES

see also Grinding wheels

**Manufactured abrasives** (*Motion picture*) U. S. Bureau of Mines in cooperation with Carborundum Co., 1960.

ABSENCE WITHOUT LEAVE

see also Military offenses

**Absent without leave and desertion** (*Motion picture*) U. S. Dept. of the Army, 1948.

ABSORPTION IN SOILS see Soil absorption

ACARICIDES see Insecticides

ACARIDA see Mites

ACCIDENTS

see also Asphyxia; Burns and scalds; Collisions at sea; Disasters; Electricity, Injuries from; First aid in illness and injury; Industrial accidents; Life-saving; Medical emergencies; Shipwrecks; Shock; Traffic accidents

—PREVENTION

**Accident prevention aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Fletcher Smith Studios.

**Dangerous war trophies** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Do you know?** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

**Home safety and health departments** (*Filmstrip*) U. S. Public Health Service, 1948.

**On post safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Once too often** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

**The operator and safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Respiratory protection** (*Motion picture*) U. S. Navy Dept., 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

**Safety for sure** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Safety in air stations** (*Motion picture*) U. S. Navy Dept., 1944. Made by Roland Reed Productions. Released for public educational use through U. S. Office of Education, 1947.

**Safety in navy yards** (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

**Safety in offices** (*Motion picture*) U. S. Navy Dept., 1944. Made by Carey Weston. Released for public educational use through U. S. Office of Education, 1948.

**Safety precautions for electronics personnel** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education, 1952.

**To live in darkness** (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

—PSYCHOLOGICAL ASPECTS

**Aircraft accident investigation** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

ACCIDENTS, AIRCRAFT see Aeronautics —Accidents

ACCULTURATION

**The Hawaii University choir in Japan** (*Motion picture*) U. S. Information Agency, 1959. Released for public educational use in the United States through U. S. Office of Education, 1959.

ACOUSTICS see Sound

ADJUSTMENT (PSYCHOLOGY)

**Half a chance** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

ADULT EDUCATION see Education of adults

ADVERTISING, LEGAL see Legal advertising

AEDES AEGYPTI

**Aedes aegypti survey techniques** (*Filmstrip*) U. S. Public Health Service, 1957.

AERIAL BOMBING see Bombing, Aerial

AERIAL GUNNERY

**Aerial firepower** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Jet fighter gunnery. Part 1: Air to ground** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Jet fighter gunnery. Part 2: Air to air** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

AERIAL LAW see Aeronautics—Laws and regulations

AERIAL NAVIGATION see Navigation (Aeronautics)

AERIAL PHOTOGRAPHY see Photography, Aerial

AERIAL PROPELLERS see Propellers, Aerial

AERIAL ROCKETS see Rockets (Aeronautics); Rockets (Ordnance)

AERIAL SPRAYING see Aeronautics in mosquito control

AERIAL WARFARE see Air warfare

AEROBATIC FLYING see Stunt flying

AEROBIC BACTERIA see Bacteria, Aerobic

AERODYNAMIC FORCES see Drag (Aerodynamics); Lift (Aerodynamics)

AERODYNAMIC HEATING

**Supersonic jet tests of simplified wing structures** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

AERODYNAMICS

see also Aerodynamic heating; Aeronautics; Lift (Aerodynamics); Stability of aeroplanes; Stability of helicopters; Stalling (Aerodynamics); Turbulence; Wind tunnels

**Advanced helicopter flight principles, part 2** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Aerodynamics** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aerodynamics: Air flow** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

**Aerodynamics: Forces acting on an air foil** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft in flight** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

**Basic helicopter flight principles** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Beyond the stick and rudder** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Forces in flight** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.

**Helicopter orientation: Introduction to rotary wing flight** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

**How an airplane flies, parts 3, 4, 5, and 6** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

AERODYNAMICS, SUPERSONIC

**Supersonic jet tests of simplified wing structures** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

AEROFOILS

see also Rotors (Helicopters)

**High speed air flow for airfoils (compressibility)** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

**Supersonic jet tests of simplified wing structures** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

AEROLOGY see Meteorology

AERONAUTICAL CHARTS

**Aerial map reading** (*Motion picture*) U. S. Navy Dept., 1944. Made by Springer Pictures. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Air pilotage** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Flying the weather map: The howgozit chart** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1946.

**Highways in the sky** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

### AERONAUTICAL INSTRUMENTS

see also Aeroplanes—Electric equipment; Altimeter; Automatic pilot (Helicopters); Gyro compass; Gyroscope; Instrument flying

**Aircraft in flight** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

**Airplane cockpit instruments and controls. Part 1: Primary** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Airplane cockpit instruments and controls. Part 2: BT-13A basic trainer** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**Airplane cockpit instruments and controls. Part 3: Advanced single engined** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Cockpit instrument checks** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Dead reckoning instruments. Part 1: Driftmeters** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Engine instruments** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Flight instruments** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Fuel level gages** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Introduction to airplane instruments** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Pressure gages** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Tachometers and synchronism indicators** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Thermometer** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Time in the air** (*Motion picture*) U. S. Navy Dept., 1943. Made by Springer Pictures. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

### AERONAUTICAL LABORATORIES

**Beating the heat** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

### AERONAUTICAL LIBRARIES

**The Air Force technical order system** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

### AERONAUTICAL NAVIGATION see Navigation (Aeronautics)

### AERONAUTICAL RESEARCH

see also Aeronautical laboratories; Aeronautics, Military—Research

**Beating the heat** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

**High-speed flight research at Muroc** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

**NACA high-speed flight research station** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**Research for tomorrow's aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

### AERONAUTICS

see also Aerodynamics; Air pilots; Air-ships; Airdrop; Airports; Airways; Astronautics; Balloons; Catapults (Aeronautics); Condensation trails; Electronics in aeronautics; Flight; Helicopters; High-speed aeronautics; Landing aids (Aeronautics); Meteorology in aeronautics; Navigation (Aeronautics); Propellers, Aerial; Radio in aeronautics; Rockets (Aeronautics); Seaplanes; Stability of aeroplanes

**Air power** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.

**Air traffic** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Ames Aeronautical Laboratory in action** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

**Aviation education and your school** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

**Helicopter: Arctic operations** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Higher and faster** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

**I & E screen magazine, no. 274** (*Motion picture*) U. S. Dept. of Defense, 1950.

**NACA research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

**We saw it happen** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Wings for Roger Windsock** (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Jam Handy Organization.

**Wings over Brazil** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

#### —ACCIDENTS

see also Survival (after aeroplane accidents, shipwrecks, etc.)

**Aircraft accident investigation** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Appraisal of the hazards of friction-spark ignition of aircraft crash fires** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

**Crash impact survival in light airplanes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**Flat hatting** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1953.

**Flying fellas** (*Motion picture*) U. S. Army Air Forces, 1945.

**Ground safety on the flight line, part 2** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Helicopter: Emergency procedures. Part 4: Emergency procedures in the H-21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**NACA crash fire research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

**Summary of results of model ditching investigations of five transport airplanes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

#### —LAWS AND REGULATIONS

see also Air traffic rules

**Visual flight rules** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1952.

#### —MEDICAL ASPECTS see Aviation medicine

#### —PSYCHOLOGY

**Spatial disorientation in flight** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

#### —SAFETY MEASURES

see also Aeroplanes—Ditching; Aeroplanes—Ice prevention; Aeroplanes—Oxygen equipment; Aircraft survival equipment; Pressure suits

**Bailing out** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by United Productions. Released for public educational use through U. S. Office of Education, 1950.

**Hazards in ground operation of jet aircraft** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Industrial Films. Released for public educational use through U. S. Office of Education, 1950.

**Integrated landing aids, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Integrated landing aids, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Learn and live** (*Motion picture*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1952.

**Physiology of high altitude flying** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Film Graphics.

**Taxiing collisions** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Your safety belt** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

### AERONAUTICS, HIGH-SPEED see High-speed aeronautics

### AERONAUTICS, MILITARY

see also Aerial gunnery; Aeroplane carriers; Aeroplanes, Military; Air bases; Air power; Air raid shelters; Air warfare

**AAF special delivery** (*Motion picture*) U. S. Army Air Forces, 1945.

**Aerial traffic patterns** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Air Force firepower** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Air pattern Pacific** (*Motion picture*) U. S. Army Air Forces, 1945.

**Air power** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.

**Fighter photo, eyes of the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Fighting lady's family** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Function of air traffic control** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Higher and faster** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

**I & E screen magazine, no. 275** (*Motion picture*) U. S. Dept. of Defense, 1950.

**I & E screen magazine, no. 277** (*Motion picture*) U. S. Dept. of Defense, 1950.

**The Marine Corps and close air support** (*Motion picture*) U. S. Marine Corps, 1950. Made by U. S. Dept. of the Navy.

**Naval aviator. Part 1: Basic training** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Naval aviator. Part 2: Advanced training** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**One man task force** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by R. K. O. Productions.

**Peace through strength** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Personnel landing capabilities of the C-130 aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Skyknight** (*Motion picture*) U. S. Marine Corps, 1954. Made by U. S. Dept. of the Navy.

**The story of naval aviation** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Target within range: The key role of the USAF navigator** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Visual flight rules** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1952.

## AERONAUTICS, MILITARY (Continued)

### —RESEARCH

**ARDC staff film report, no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**ARDC staff film report, no. 6** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Design for environment** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Materials: Key to progress** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

### —STUDY AND TEACHING

**The field training program in the USAF** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Give me a second station** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Jet flight planning** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Navy wings of gold** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Jam Handy Organization.

**Professional education of Air Force officers** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Use of the problem in teaching** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

## AERONAUTICS IN FORESTRY

**Cargo dropping** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Cargo retrieving** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Cargoing and loading** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

**Smokejumper training: Part 1: Indoctrination** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Smokejumper training. Part 2: Ground training** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Smokejumper training. Part 3: Jump training** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Smokejumpers** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

## AERONAUTICS IN METEOROLOGY

see also Atmosphere, Upper—Rocket observations; Meteorology in aeronautics

**Fort Churchill: Springboard for science** (*Motion picture*) U. S. Dept. of the Army, 1960.

## AERONAUTICS IN MOSQUITO CONTROL

**The use of aircraft for insect control. Part 1: Mosquito control** (*Motion picture*) U. S. Public Health Service, 1949.

**The use of aircraft for insect control. Part 1: Mosquito control** (*Filmstrip*) U. S. Public Health Service, 1949.

## AEROPLANE ACCIDENTS see Aeronautics —Accidents

## AEROPLANE CARRIERS

**Airwomen of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Day of battle** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

**A fighting lady speaks** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Jets aboard: Operation of jet aircraft aboard carriers** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.

## AEROPLANE INDUSTRY AND TRADE

### —QUALITY CONTROL

**Quality control: a management tool** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

## AEROPLANES

see also Aeronautics; Amphibian planes; Convertiplanes; Drag (Aerodynamics); Lift (Aerodynamics); Propellers, Aerial; Seaplanes; Vertically rising aeroplanes

### —AILERONS see Ailerons

### —BATTERIES

**Aircraft storage batteries** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.

### —BRAKES

**Airplane hydraulic brakes: Types, construction, and action** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1945.

**Bleeding hydraulic brakes** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

### —COLD WEATHER OPERATION

**Cold weather starting** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1945.

### —CONDENSATION TRAILS see Condensation trails

### —DESIGN AND CONSTRUCTION

see also Aeroplanes—Wings, Sweptback

**The Air Force heavy press program** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Airplane flight control surfaces and wing flaps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.

**Beyond the stick and rudder** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Building a box beam spar** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Building a box beam spar** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Building a wooden rib** (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

**Building a wooden rib** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Covering with fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Fabricating metal aircraft** (*Motion picture*) U. S. Office of Education, 1942. Made by Tradefilms.

**Fabricating metal aircraft** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Fabrication of tubing** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Flight control systems** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Flight tests of a 0.4-scale model of a stand-on type vertically rising aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

**Higher and faster** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Hovering flight tests of a four-engine-transport vertical take-off airplane with a large flap and auxiliary vanes for redirecting the propeller slipstream** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**Laying out and forming plywood** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Laying out and forming plywood** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Preparation for fabric covering** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Preserve the original strength: Aircraft** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Reeduck. Released for public educational use through U. S. Office of Education, 1945.

**Protection of metals, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Protection of metals, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Rib stitching** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Rigging changes after flight** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Tomorrow we fly** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1948.

### —DITCHING

**Ditching investigation of a jet transport with various engine installations, part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**Ditching investigation of a 1/15-scale model of the Convair liner airplane; part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

**Ditching investigation of a 1/16-scale model of the Douglas C-124 airplane; part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

**Ditching techniques for transport aircraft: Communications, sea evaluation, headings and landings** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Ditching techniques for transport aircraft: Preparation and evacuation** (*in aircrew*) (*Motion picture*) U. S. Dept. of the Air Force, 1958.

### —ELECTRIC EQUIPMENT

see also Aeronautical instruments; Aeroplanes—Batteries

**The aircraft magneto: Theory and operation of the four-pole magneto** (*Motion picture*) U. S. Army Air Forces, 1944.

**Generator and regulator systems, principles** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.

**Servicing and timing magnetos** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing and timing magnetos** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing spark plugs and ignition wiring** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing spark plugs and ignition wiring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Trouble shooting problems: Ignition** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Ignition** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

### —FIRES AND FIRE PREVENTION

**Appraisal of the hazards of friction-spark ignition of aircraft crash fires** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

**Crash fire rescue** (*Motion picture*) U. S. Navy Dept., 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**Techniques in aircraft fire-fighting and rescue** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

### —FLIGHT TESTING

**The Air Force flight test center** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**The U. S. Naval Test Pilot School** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### —FUEL

**Flying the weather map: the lowpoint chart** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

### —FUEL SYSTEMS

**Fuel and fuel** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Trouble shooting problems: Fuel induction** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

## AEROPLANES

### —FUEL SYSTEMS (Continued)

**Trouble shooting problems: Fuel induction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

### —FUEL TANKS

**Self-sealing fuel cells: Fitting replacement** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Installation, maintenance, and inspection** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Manufacture and usage** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Packing, stowage and handling** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Repairs** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

### —FUSELAGE

**Doping technique** (*Motion picture*) U. S. Navy Dept., 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1945.

**Preserve the original strength: Aircraft** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobeck. Released for public educational use through U. S. Office of Education, 1945.

### —HYDRAULIC EQUIPMENT

**Hydraulic mechanisms** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1943.

**Hydraulic struts** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Principles of liquids and gases** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

### —ICE PREVENTION

**Aircraft de-icers. Part 1: Ice formation and de-icer operation** (*Motion picture*) U. S. Army Air Forces, 1943.

**De-icer servicing and installation** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**De-icing equipment: Units and their functions** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**Ice formation on aircraft** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1945.

**Induction system icing** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**Weather control during instrument flight, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

### —INSPECTION

**Adjustments after check flight** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Adjustments after check flight** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Periodic inspection: Airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Airplane** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Airplane** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preparing the plane for flight** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

### —INSTRUMENTS see Aeronautical instruments

### —JET PROPULSION

see also Aeroplanes—Turbine-propeller engines; Aeroplanes—Turbojet engines

**Operation of jet aircraft engines** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization.

### —LANDING

see also Aeroplanes—Ditching; Ground controlled approach; Instrument landing systems; Landing aids (Aeronautics)

**Emergency landing on land** (*Motion picture*) U. S. Navy Dept., 1947. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Interpreting weather for landing aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Landing accidents** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

### —LANDING GEAR

see also Aeroplanes—Brakes

**Brake and landing gear mechanism inspection, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1951.

**Brake and landing gear mechanism inspection, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Installing landing gear** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Installing landing gear** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

### —LUBRICATION

**Oil systems** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.

### —MAINTENANCE AND REPAIR

**Adjusting mechanical brakes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Adjusting valves** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Adjustments after check flight** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Adjustments after check flight** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Aircraft engine pumps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft engine troubles: General** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft engine troubles: Starting** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft lubricants and lubricating equipment** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

**Airplane ignition** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Attaching and aligning wings** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Attaching and aligning wings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Bleeding hydraulic brakes** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Brake and landing gear mechanism inspection, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1951.

**Care and repair of flight controls** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Cleaning the airplane** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**Connecting and adjusting controls** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Connecting and adjusting controls** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Connecting rods, crankshafts, bearings, and crankcases** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Cylinder and piston assemblies** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Disassembling the engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Disassembling the engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Engine change: Installation** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine change: Installation** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine change: Removal** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine change: Removal** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Ground safety on the flight line, part 1** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Inspecting and adjusting hydraulic brakes** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Inspecting and adjusting hydraulic brakes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Inspecting and reconditioning piston assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning piston assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning valve assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning valve assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting the external fuel system, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Installing and aligning tail surfaces** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Installing and aligning tail surfaces** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Installing landing gear** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Installing landing gear** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

## AEROPLANES

### —MAINTENANCE AND REPAIR (Continued)

**Intake and exhaust systems** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Making insert patches** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Making sheet metal repairs** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

**Making sheet metal repairs** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

**Overhauling camshaft assembly and crankcase section** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling camshaft assembly and crankcase section** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling crankshaft assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling crankshaft assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling the carburetor** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling the carburetor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Patching fabric** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Patching fabric** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Patching plywood** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Patching plywood** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Patching small holes in fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Patching the L, T, and X type tears in fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Periodic inspection: Airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Airplane** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Planned inspection and maintenance of USAF aircraft. Part 1: Introduction** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Planned inspection and maintenance of USAF aircraft. Part 2: Demonstration** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Preflight inspection: Airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Airplane** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Reassembling the engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Reassembling the engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Removing and inspecting cylinders** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Removing and inspecting cylinders** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Repairing a wooden rib** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Repairing a wooden rib** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Repairing aircraft tires** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing aircraft tires** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing and relining mechanical brakes** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing and relining mechanical brakes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing structural tubing** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Repairing structural tubing** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Security and refueling with safety** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Fitting replacement** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Installation, maintenance, and inspection** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Self-sealing fuel cells: Repairs** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Servicing a propeller** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Servicing a propeller** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Servicing an airplane** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Servicing an airplane** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Servicing and timing magnetos** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing and timing magnetos** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing hydraulic systems** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Servicing spark plugs and ignition wiring** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing spark plugs and ignition wiring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Splicing a wooden spar** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Splicing a wooden spar** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Towing, mooring, handling airplanes** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**Trouble shooting problems: Fuel induction** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Fuel induction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Ignition** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Ignition** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Mechanical and lubrication** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Mechanical and lubrication** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

### —MODELS

**Airplanes, their metals, fuels, and lubricants** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1944.

### —MODELS—TESTING

**Ditching investigation of a 1/15-scale model of the Convair liner airplane; part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

**Ditching investigation of a 1/24-scale model of the Douglas C-124 airplane; part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

**Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**Flight tests of a 0.4-scale model of a stand-on type vertically rising aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

**Hovering flight tests of a four-engine-transport vertical take-off airplane with a large flap and auxiliary vanes for redirecting the propeller slipstream** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

### —MOTORS

see also Aeroplanes—Jet propulsion;
Fuel pumps

**Aircraft engine operation** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft engine repairs: Classification of engine types** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft engine troubles: General** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Aircraft engine troubles: Starting** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**The airplane engine** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Office of Education, 1947.

**Carburetion** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

**Disassembling the engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Disassembling the engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Engine change: Installation** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine change: Installation** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine change: Removal** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine change: Removal** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Engine instruments** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Inspecting and reconditioning piston assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning piston assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning valve assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning valve assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Intake and exhaust systems** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Overhauling camshaft assembly and crankcase section** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling camshaft assembly and crankcase section** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling crankshaft assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling crankshaft assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

## AEROPLANES

### —MOTORS (Continued)

**Overhauling the carburetor** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Overhauling the carburetor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Periodic inspection: Engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Periodic inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Power for flight** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

**Power plant controls** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Power plant lubrication** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Preflight inspection: Engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Preflight inspection: Engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Reassembling the engine** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Reassembling the engine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Removing and inspecting cylinders** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Removing and inspecting cylinders** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing and timing magnetos** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing and timing magnetos** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Trouble shooting problems: Fuel induction** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Fuel induction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Ignition** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Ignition** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Mechanical and lubrication** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**Trouble shooting problems: Mechanical and lubrication** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

### —MOTORS—CARBURETORS

**Induction system icing** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

### —MOTORS—IGNITION

**Airplane ignition** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Elements of electricity as applied to ignition systems** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

**Ignition and spark plug** (*Motion picture*) U. S. Army Air Forces, 1944.

### —MOTORS—STARTING DEVICES

**Methods of starting the engine** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

### —OXYGEN EQUIPMENT

**Oxygen equipment** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

### —PILOTING

see also Flight navigators; Flight training; Instrument flying; Stunt flying

**Aerology (thunderstorms) Part 2: Flight techniques with respect to thunderstorms** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.

**Disorientation crashes** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1950.

**Effect of controls** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Flat hatting** (*Motion picture*) U. S. Navy Dept., 1946. Made by United Productions of America. Released for public educational use through U. S. Civil Aeronautics Administration, 1953.

**Forced landings** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Ground controlled approach of aircraft: Operational procedure** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Integrated landing aids, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Learn and live** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1952.

**Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Parking of aircraft** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Transition phase; basic training, part 1** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Transition phase; basic training, part 2** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Transition phase; basic training, part 3** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

### —PRESSURIZATION

**Flying in a pressure cabin** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Polaris Pictures.

### —PROPELLERS see Propellers, Aerial

### —RECOGNITION

**Combat recognition** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

### —REFUELING

**Fueling seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

**Security and refueling with safety** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

### —STABILITY see Stability of aeroplanes

### —SWEEPBACK see Aeroplanes—Wings, Swept-back

### —TAIL SURFACES

**Airplane structures: Control surfaces** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.

**Installing and aligning tail surfaces** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Installing and aligning tail surfaces** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

### —TESTING

see also Aeroplanes—Flight testing

**Preparing the plane for flight** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

**Rigging changes after flight** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

### —TIRES

**Aircraft tires. Part 1: Maintenance and repair** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Aircraft tires. Part 2: Maintenance and repair** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Office of Education, 1944.

**Aircraft tires and tubes: Demounting and mounting procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Aircraft tires and tubes: Maintenance, inspection, and inflation procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Aircraft tires and tubes: Shop inspection, storage, and disposition** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

### —TURBINE-PROPELLER ENGINES

**Turboprop/turboshaft engines: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### —TURBOJET ENGINES

**Foreign object ingestion into turbine engines by vortices** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**Turboprop/turboshaft engines: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### —TURBOJET ENGINES—IGNITION

**Photographic studies of preignition enviornment and flame initiation in turbojet-engine combustors** (*Motion picture*) U. S. National Advisory Committee on Aeronautics, 1953.

### —WHEELS see Aeroplanes—Landing gear

### —WINGS

see also Ailerons

**Airplane flight control surfaces and wing flaps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Airplane structures: Control surfaces** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1943.

**Attaching and aligning wings** (*Motion picture*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Attaching and aligning wings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Pathescope Company of America.

**Covering with fabric** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Preparation for fabric covering** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Preserve the original strength: Aircraft** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brubeck. Released for public educational use through U. S. Office of Education, 1943.

**Rib stitching** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Wing assembly: The bow tip** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The bow tip** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The inboard panel** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The inboard panel** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The nose section** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

AEROPLANES
—WINGS (Continued)

**Wing assembly: The nose section** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

—WINGS, SWEPT-BACK

**Slow-speed flight characteristics of swept-wing aircraft** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Caravel Films.

AEROPLANES, JET PROPELLED **see** Jet planes

AEROPLANES, MILITARY

**see also** Bombers; Fighter planes; Jet planes, Military; Parachute troops

**Ground handling of aircraft. Part 1: Fixed wing aircraft** (*Motion picture*) U. S. Dept. of the Army, 1957.

—ARMAMENT

**Aerial firepower** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

AEROPLANES, PRIVATE

**Crash impact survival in light airplanes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

AEROPLANES, VERTICALLY RISING **see** Vertically rising aeroplanes

AEROPLANES IN FORESTRY **see** Aeronautics in forestry

AEROPLANES IN MOSQUITO CONTROL **see** Aeronautics in mosquito control

AFRICAN SWINE FEVER

**Hog cholera and African swine fever: A comparison** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

AGAVE

**Beltsville newsreel, no. 8** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

AGED

**Old age: A generation of elders** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

AGRICULTURAL COOPERATIVE CREDIT ASSOCIATIONS

**Banking on the land** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

**Production credit does the job** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**The sign of dependable credit** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

AGRICULTURAL ECONOMICS **see** Agriculture —Economic aspects

AGRICULTURAL ENGINEERING

**see also** Drainage; Electricity in agriculture; Forestry engineering; Irrigation

**Agricultural engineering—the profession with a future** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.

AGRICULTURAL ESTIMATING AND REPORTING

**A compass for agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Crop reports help farmers face the facts** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

AGRICULTURAL EXHIBITIONS

**Blue ribbon** (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

**Exhibit ideas** (*Filmstrip*) U. S. Dept. of Agriculture, 1962.

**State fair** (*Motion picture*) U. S. Information Agency, 1960. Made by Barclay Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.

AGRICULTURAL EXTENSION WORK

**see also** County agricultural agents; Home demonstration work

**Circular letters** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

**The county agent** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

**Farm forestry extension in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

**Japanese women leaders visit the U. S.** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Tooling up for the job** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

**Training of men** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

AGRICULTURAL IMPLEMENTS

**see also** Spraying equipment

**Ferramentas e máquinas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**From small beginnings** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Mejores herramientas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Sharpening and tempering farm tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Sharpening and tempering farm tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

AGRICULTURAL INSURANCE **see** Insurance, Agricultural

AGRICULTURAL JOURNALISM **see** Journalism, Agricultural

AGRICULTURAL LABORERS

**see also** Migrant labor

**Algo para mañana** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

**Something for tomorrow** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

AGRICULTURAL MACHINERY

**see also** Agricultural engineering; Agricultural implements; Cultivators; Drill (Agricultural implement); Electricity in agriculture; Farm mechanization; Harvesting machinery; Mowing-machines; Plows; Spraying equipment; Tillage

**Automation on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**India plows deeper** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

—REPAIRING

**Care and repair of farm machinery** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Missouri Extension Service, 1942.

**Care of a tractor** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Care of a tractor** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a cultivator** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a cultivator** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a grain drill** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a grain drill** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a mower. Part 1: Cutter bar** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a mower. Part 1: Cutter bar** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a mower. Part 2: Drive system** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a mower. Part 2: Drive system** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a two-bottom tractor plow** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

**Reconditioning a two-bottom tractor plow** (*Filmstrip*) U. S. Office of Education, 1942. Made by Calvin Co.

AGRICULTURAL MECHANIZATION **see** Farm mechanization

AGRICULTURAL PESTS

**see also** Fungi in agriculture; Insects, Injurious and beneficial; Plant diseases

**The hidden menace** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

AGRICULTURAL PRODUCTS **see** Farm produce; Produce trade

AGRICULTURAL RESEARCH

**Beltsville newsreel, no. 6** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Breakthrough: The challenge of agricultural research** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

**New uses for farm products** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

AGRICULTURAL TOOLS **see** Agricultural implements

AGRICULTURE

**see also** Atomic energy in agriculture; Burning of land; Cattle; Chemurgy; Clearing of land; Dairying; Domestic animals; Farm buildings; Farm life; Farm management; Farm produce; Farmers; Farms; Fertilizers and manures; Food industry and trade; Forests and forestry; Fruit-culture; Gardening; Insects, Injurious and beneficial; Irrigation; Land; Land tenure; Pastures; Reclamation of land; Rotation of crops; Seeds; Soil-surveys; Soils; Stock and stock-breeding; Tillage; Vegetable gardening; Vegetables; Women in agriculture

**The agriculture story** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Agriculture then and now** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

**American history I, lecture 19: The farmer increases production but suffers hard times** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Brazilian trainees visit land grant colleges** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Farmer at war** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

**Farmers of Japan** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Army, 1949.

**Fundo in Chile** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.

**Irrigation, lifeblood of the West** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Is farming for me?** (*Filmstrip*) U. S. Dept. of Agriculture, 1963.

**A look at Soviet agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**The South grows green** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

AGRICULTURE (Continued)

**Toward tomorrow** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

—ECONOMIC ASPECTS

see also Agricultural cooperative credit associations; Farm management; Farm produce—Marketing; Land tenure; Produce trade; Rehabilitation, Rural

**American history II, lecture 6: Problems of agriculture and conservation in an industrial economy** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Factory worker turns farmer** (*Motion picture*) U. S. Dept. of State, 1949. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1950.

—SAFETY MEASURES

**Do you know?** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

—STATISTICS

see also Agricultural estimating and reporting

**Crop reports help farmers face the facts** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Outlook charts, 1959** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

AGRICULTURE, COOPERATIVE

**Better living through dairy cooperatives** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Cooperative wool: From fleece to fabric** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

**Etawah story** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**Farmer cooperation in Europe** (*Motion picture*) U. S. Foreign Operations Administration and International Federation of Agricultural Producers, 1954. Made by World Wide Pictures, London. Released in the United States through U. S. Dept. of Agriculture.

**Farmer cooperatives today** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Farmers working together** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Fruits, vegetables, and cooperation** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

**Livestock cooperatives in action** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**The rural co-op** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Dept. of Agriculture, 1950, and U. S. Office of Education, 1951.

AGRICULTURE AND STATE

see also Agricultural extension work; Rehabilitation, Rural

**The agriculture story** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

AGRICULTURE AS A PROFESSION

**Learning about farm jobs from pictures** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

AGUE see Malarial fever

AIDS TO AIR NAVIGATION

see also Aeronautical charts; Airways; Electronics in aeronautics; Meteorology in aeronautics; Radio in aeronautics

**Ground aids to air navigation: Ship to shore** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

AILERONS

see also Aeroplanes—Wings

**Airplane flight control surfaces and wing flaps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.

**Airplane structures: Control surfaces** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1945.

AIR

see also Aerodynamics; Atmosphere

**Air masses and fronts** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Armed Forces screen magazine, no. 503** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

AIR BASES

**The Air Force engineer** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Alaskan air fortress** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Arctic rampart** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Ground handling of aircraft. Part 1: Fixed wing aircraft** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Operation Blue Jay** (*Motion picture*) U. S. Dept. of the Army, 1953.

**24 hour alert** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**The USAF maintenance management improvement program** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—RUNWAYS

**Airfield flexible pavement** (*Motion picture*) U. S. Army Engineers, 1955.

**The construction of a portland-cement concrete airfield pavement** (*Motion picture*) U. S. Army Engineers, 1955.

AIR-BRAKES

see also Brakes

**Air brakes: Principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**The locomotive air brake system** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

AIR CARGO DROPPING see Ai[illegible]

AIR FLOW

**Effect of air flow on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

**The fundamental nature of air flows and air-flow separation** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**High speed air flow for airfoils (compressibility)** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

**A study of air flow by means of smoke** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.

**A study of air flow in an engine cylinder** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1937.

AIR FORCE DEPENDENTS' ASSISTANCE PROGRAM

**The Air Force takes care of its own** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AIR FORCE R O T C see U. S. Air Force. Reserve Officers' Training Corps

AIR FORCE SCHOOLS see Aeronautics, Military—Study and teaching

AIR GUNNERY see Aerial gunnery

AIR MATERIAL COMMAND see U. S. Air Force. Air Matérial Command

AIR NATIONAL GUARD (U. S.) see U. S.—Air National Guard

AIR NAVAL RESERVE see U. S. Naval Reserve Flying Corps

AIR NAVIGATION see Aeronautics; Navigation (Aeronautics)

AIR NAVIGATION AIDS see Aids to air navigation

AIR NAVIGATORS see Flight navigators

AIR-PASSAGES see Respiratory organs

AIR PILOTS

see also Aeronautics—Psychology; Aeroplanes—Piloting

**Seven letters** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AIR POWER

see also Air warfare

**Air power American** (*Motion picture*) U. S. Dept. of the Air Force, 1952. Made by Rafael G. Wolff Studios.

**Air power and armies** (*Motion picture*) U. S. Army Air Forces, 1945.

**The problems of air power** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

**The strategic attack** (*Motion picture*) U. S. Dept. of the Air Force, 1951.

**Tomorrow is here, Mr. Smith** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

AIR RAID SHELTERS

**ABC warfare defense ashore: Protection shelters** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**The mission support during radioactive fallout: Fallout shelters** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

AIR-SHIPS

see also Aeronautics; Balloons; Propellers, Aerial; Seaplanes

—DESIGN AND CONSTRUCTION

**L. T. A. history: Rigid airships** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Caravel Films.

AIR SUPPLY see Airdrop

AIR TRAFFIC CONTROL

see also Airports—Traffic control; Electronics in aeronautics

**Air traffic** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Function of air traffic control** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**The pilot and air traffic control** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

AIR TRAFFIC RULES

**Airports, airways, and electronics** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

AIR WARFARE

see also Aerial gunnery; Aeronautics, Military—Study and teaching; Aeroplanes, Military; Air power; Anti-aircraft guns; Atomic warfare; Bombing, Aerial; Chemical warfare

**Look to the skies** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by American Film Producers.

**Strategic Air Command** (*Motion picture*) U. S. Dept. of Defense, 1952.

AIRBORNE EARLY WARNING SQUADRON FOUR see U. S. Navy. Airborne Early Warning Squadron 4

AIRCRAFT SURVIVAL EQUIPMENT

see also Clothing, Protective; Parachutes

**Pilot emergency escape survival system of the F/TF-102A** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

AIRDROP

**Flying soldiers** (*Motion picture*) U. S. Dept. of the Army, 1958.

AIRFOILS see Aerofoils

AIRLINERS see Transport planes

AIRPLANES see Aeroplanes

AIRPORTS

see also Air bases; Landing aids (Aeronautics)

—RUNWAYS

**Airfield flexible pavement** (*Motion picture*) U. S. Army Engineers, 1955.

**Bonded thin concrete resurfacing** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—TRAFFIC CONTROL

**Ground controlled approach of aircraft: Operational procedure** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Instrument flight rules** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Integrated landing aids, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Integrated landing aids, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Polaris Pictures. Released for public educational use through U. S. Office of Education, 1950.

AIRSTRIPS see Air bases—Runways; Airports—Runways

AIRWAYS

see also Aids to air navigation

**Airways aids** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

ALAMEIN, BATTLE OF, 1942 see El Alamein, Battle of, 1942

ALASKA

**Alaska** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Alaska: Newest of the United States of America** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

**U. S. naval Arctic operations: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.

ALASKA RAILROAD

**The Alaska Railroad** (*Motion picture*) U. S. Dept. of the Interior and the Alaska Railroad, 1960. Made by Louis B. Huber.

ALBENI FALLS DAM

**Albeni Falls Dam** (*Motion picture*) U. S. Army Engineers, 1956.

ALBROOK AIR FORCE BASE, BALBOA, CANAL ZONE see U. S. Albrook Air Force Base, Balboa, Canal Zone

ALBUMIN

**Use of serum albumin** (*Motion picture*) U. S. Navy Dept., 1943.

ALEUTIAN ISLANDS

**Survival in the Aleutians** (*Motion picture*) U. S. Dept. of the Air Force, 1951.

ALFALFA

**Developing pastures establishing alfalfa under wind erosion hazard** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

ALGEBRA

see also Equations; Factors (Algebra)

**Beginning algebra I, lecture 3: Formulas** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 5: Dependence of quantities** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 9: Fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 10: Fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 1: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 3: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 5: Fractions, fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 6: Fractions, fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 9: Ratio, proportion, and variation** (*Motion picture*) U. S. Dept. of Defense, 1956.

—GRAPHIC METHODS

see also Equations—Numerical solutions

**Beginning algebra I, lecture 6: Interpretation and construction of graphs** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 14: Linear equations in two unknowns** (*Motion picture*) U. S. Dept. of Defense, 1956.

—TERMINOLOGY

**Beginning algebra I, lecture 1: Algebra, the international language** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 2: Algebra, the international language** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 4: Simple equations and formulas** (*Motion picture*) U. S. Dept. of Defense, 1956.

ALLEGIANCE

**Code of conduct. Article 6: Stand firm** (*Motion picture*) U. S. Dept. of the Army, 1959.

ALLOYS, HEAT RESISTANT see Heat resistant alloys

ALTERNATING CURRENTS see Electric currents, Alternating

ALTIMETER

**Altitude** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**The sensitive altimeter: General use** (*Motion picture*) U. S. Army Air Forces, 1942.

ALTITUDE, INFLUENCE OF

**High altitude, high speed, flight problems: Physiological effects** (*Motion picture*) U. S. Dept. of the Navy, 1952.

ALTITUDES

**Map reading, basic: Elevation** (*Motion picture*) U. S. Dept. of the Army, 1957.

—MEASUREMENT

see also Altimeter; Leveling

**Altitude** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

ALUMINUM

**Aluminum** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

**Blanking and piercing** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

**How to rivet aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

**Spinning** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

**This is aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1947.

**Torch welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

**Tube and shape bending** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

**Welding aluminum tubes with sheets** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

—HEAT TREATMENT

**Heat treatment of aluminum, film 1** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

**Heat treatment of aluminum, film 1** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

**Heat treatment of aluminum, film 2** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

**Heat treatment of aluminum, film 2** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

—WELDING

**Resistance welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1946.

ALUMINUM ALLOYS

**Drawing, stretching, and stamping** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

**How to machine aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

AMALGAMS

**Dental amalgam: Failure caused by moisture contamination** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1948.

AMAZON VALLEY

**The Amazon awakens** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

AMBITION

**Ambition** (*Motion picture*) U. S. Dept. of the Army, 1958.

AMEBIASIS

see also Entamoeba histolytica

**Life cycle of endamoeba histolytica in dysenteric and nondysenteric amoebiasis** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

**PVA-fixative technique in the diagnosis of amebiasis** (*Filmstrip*) U. S. Public Health Service, 1960.

AMERICA

—DISCOVERY AND EXPLORATION

**American history I, lecture 1: Europe finds and explores a new world** (*Motion picture*) U. S. Dept. of Defense, 1956.

AMERICAN CIVIL WAR see U.S.—History—Civil War

AMERICAN DENTAL ASSOCIATION

**Dental materials: Specification and certification** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.

AMERICAN FRIENDS SERVICE COMMITTEE see Friends, Society of. American Friends Service Committee

AMERICAN LITERATURE

**American history I, lecture 12: Changes in American society and culture** (*Motion picture*) U. S. Dept. of Defense, 1956.

AMERICAN NATIONAL CHARACTERISTICS see National Characteristics, American

AMERICAN RED CROSS see Red Cross. U.S. American National Red Cross

AMERICAN REPUBLICS see Pan-Americanism

AMERICAN REVOLUTION see U.S.—History —Revolution

AMERICAN WOMEN see Women in the U.S.

AMES AERONAUTICAL LABORATORY, MOFFET FIELD, CALIF. see U.S. Ames Aeronautical Laboratory, Moffet Field, Calif.

AMOEBA

**Excystation and motility of Endamoeba histolytica** (*Motion picture*) U. S. Public Health Service, 1948.

**Life cycle of endamoeba histolytica in dysenteric and nondysenteric amoebiasis** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

AMOEBA DYSENTERIAE see Entamoeba histolytica

AMOEBIASIS see Amebiasis

AMPHIBIAN PLANES

**Amphibian aircraft water operations: Open sea** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Amphibian aircraft water operations: Sheltered aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

AMPHIBIOUS MOTOR VEHICLES see Motor vehicles, *Amphibious*

AMPHIBIOUS WARFARE

see also Landing operations

**The amphibious marines** (*Motion picture*) U. S. Marine Corps, 1952. Made by U. S. Dept. of the Navy.

**Beachhead secured** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Hit the beach** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Military police support in amphibious operations** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Operation CAMID VI** (*Motion picture*) U. S. Dept. of Defense, 1952.

**Operation Portrex** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

**Pontoon causeway in amphibious operations** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMPLIFIERS, VACUUM-TUBE

**Audio frequency amplification** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

**Radio frequency amplification** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

AMPUTATION

**The Urban Moss amputation for peripheral vascular disease** (*Motion picture*) U. S. Veterans Administration, 1956.

AMPUTATIONS OF ARM

**Technique of biceps cineplasty** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Total rehabilitation of a bilateral high upper extremity amputee** (*Motion picture*) U. S. Veterans Administration, 1959.

**The upper extremity** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Upper extremity prosthetic principles** (*Motion picture*) U. S. Veterans Administration, 1955.

AMPUTATIONS OF LEG

**Below knee amputation** (*Motion picture*) U. S. War Dept., 1946.

**Dynamic exercises for lower extremity amputees** (*Motion picture*) U. S. Veterans Administration, 1959.

**Guillotine amputation of the lower extremity** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Land mine injury to both legs: Bilateral amputation simultaneously with two teams** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Multiple wounds of left leg with amputation: Primary debridement of knee wound; delayed closure 5th day** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Revision and reamputation of the lower extremity** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Technique of open amputation** (*Motion picture*) U. S. War Dept., 1946.

AMPUTEES

—PSYCHOLOGY

**Swinging into step** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

—REHABILITATION

see also Artificial limbs

**Comeback** (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Pictorial Research; revised by *Chilfilms*

**Diary of a sergeant** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Dynamic exercises for lower extremity amputees** (*Motion picture*) U. S. Veterans Administration, 1959.

**Half a chance** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

**The sky is the limit** (*Motion picture*) U. S. War Dept., 1946.

**Swinging into step** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Total rehabilitation of a bilateral high upper extremity amputee** (*Motion picture*) U. S. Veterans Administration, 1959.

**Upper extremity prosthetics** (*Motion picture*) U. S. Veterans Administration, 1952.

ANABOLISM see Metabolism

ANALYSIS (MATHEMATICS) see Functions

ANALYSIS, MICROSCOPIC see Microscope and microscopy

ANALYSIS OF BLOOD see Blood —Analysis and chemistry

ANALYSIS OF FOOD see Food adulteration and inspection

ANALYSIS OF SOILS see Soils—Analysis

ANATOMY, HUMAN

**The body, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**The body, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**O corpo humano** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**El cuerpo humano** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**The human body** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

ANESTHESIA

**The anesthesiologist positions the patient** (*Motion picture*) U. S. Veterans Administration, 1959.

ANEURYSMS

**Treatment of aneurysms of peripheral arteries** (*Motion picture*) U. S. Veterans Administration, 1956.

ANIMAL KINGDOM see Zoology

ANIMAL NUTRITION see Feeding

ANIMAL PARASITES see Parasites

ANIMAL POISONS see Venom

ANIMALS, DISEASES OF see Veterinary medicine

ANIMALS, DOMESTIC see Domestic animals

ANIMALS, EXPERIMENTAL see Laboratory animals

ANIMALS, HABITS AND BEHAVIOR OF

**Behavior of wild Norway rats** (*Motion picture*) U. S. Dept. of the Army, 1957.

ANKLE

—FRACTURE

**Fractures of the leg and ankle joint** (*Motion picture*) U. S. Veterans Administration, 1958. Made [illegible] Churchill-Wexler Film Productions.

—SURGERY

**Surgical approaches to the ankle joint** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

ANKYLOSTOMIA see Hookworms

ANKYLOSTOMIASIS see Hookworm disease

ANNAPOLIS. NAVAL ACADEMY see U.S. Naval Academy, Annapolis

ANTARCTIC REGIONS

**Operation Deepfreeze 1** (*Motion picture*) U. S. Dept. of the Navy, 1957.

ANTENNAS (ELECTRONICS)

see also Radio—Antennas, Radio, Short wave—Antennas

**Wave propagation and antenna theory, part 1** (*Filmstrip*) U. S. Dept. of the Army, 1953.

**Wave propagation and antenna theory, part 2** (*Filmstrip*) U. S. Dept. of the Army, 1953.

ANTHRAX

**Epizootiology of anthrax** (*Filmstrip*) U. S. Public Health Service, 1954.

**Transmission of anthrax, animal to man** (*Filmstrip*) U. S. Public Health Service, 1954.

ANTI-AIRCRAFT GUNS

see also Artillery, Machine-guns

**Aircrewmen of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

**The skysweeper: Emplacement and march order** (*Motion picture*) U. S. Dept. of the Army, 1954.

ANTI-AIRCRAFT MISSILES see Nike rocket

ANTIBIOTICS

see also Streptomycin

**Beltsville newsreel, no. 2** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

ANTICOAGULANTS (MEDICINE)

**Use of anticoagulants in rodent control** (*Filmstrip*) U. S. Public Health Service, 1958.

ANTI-CORROSIVE PAINT see Corrosion and anti-corrosives

ANTIGENS AND ANTIBODIES

**Introduction to the fluorescent treponemal antibody test** (*Motion picture*) U. S. Public Health Service, 1959.

ANTIPATHIES see Prejudices and antipathies

ANTIQUITIES, PREHISTORIC see Man, Prehistoric

ANTISEPTIC SURGERY see Surgery, Aseptic and antiseptic

ANTITANK WARFARE see Tank warfare

ANTS

**Fire ant on trial** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**The imported fire ant** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

APHASIA

**Introduction to aphasia** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

**Social adjustment for the aphasic patient** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

**Testing and individual therapy for the aphasic patient** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

APICULTURE see Bee culture

APPLE

**An apple a day** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Apple handling methods** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Apple packing methods** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Handling and storing apples in pallet boxes** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

—MARKETING

**An apple is like a bag of eggs** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Easy ways to make a banged-up apple crop** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

APPLIED PSYCHOLOGY see Psychology, Applied

APPLIED SCIENCE see Technology

APPREHENSION see Perception

APPRENTICES

see also Employees, Training of

**Apprentice training** (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.

AQUATIC BIRDS see Water-birds

AQUATIC SPORTS

see also Boats and boating; Fishing; Rowing; Swimming

**Just for the fun of it** (*Motion picture*) U. S. Army Engineers, 1959.

—SAFETY MEASURES

**Be water wise: Boating** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

ARBITRATION, INTERNATIONAL

**The United Nations & world disputes** (*Motion picture*) U. S. Dept. of Defense. Released for public educational use through U. S. Office of Education, 1959.

ARC WELDING see Electric welding

ARCHITECTURE

see also Building; Concrete construction; Farm buildings; Hospitals—Construction; Strength of materials

**American painting in history** (*Filmstrip*) U. S. National Gallery of Art, 1959.

ARCHIVES

**Your National Archives** (*Motion picture*) U. S. National Archives, 1956. Made by U. S. Dept. of the Air Force.

ARCTIC REGIONS

see also Scientific expeditions; Transportation, Military—Cold weather conditions

**Arctic shipping: MSTS Arctic operations** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Coast Guard cutters around the continent** (*Motion picture*) U. S. Coast Guard, 1958.

**Combat in deep snow and extreme cold** (*Motion picture*) U. S. Dept. of the Army, 1950.

**MSTS Arctic operations, 1956** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**MSTS Arctic operations 1957** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**The Nautilus crosses the top of the world** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Ski Jump II** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Summer movements in the Arctic** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Survival in the Arctic tundra** (*Motion picture*) U. S. Dept. of the Air Force, 1949.

**Survival on polar sea ice** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**U. S. naval Arctic operations: Construction** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.

**U. S. naval Arctic operations: Equipment** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education.

**U. S. naval Arctic operations: Logistics** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.

ARGONNE NATIONAL LABORATORY, CHICAGO see U. S. Argonne National Laboratory, Chicago

ARGUMENTATION see Oratory

ARIZONA

**Arizona and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1955. Made by Frederick K. Rockett Co.

ARKANSAS RIVER

**River with a future** (*Motion picture*) U. S. Army Engineers, 1959.

ARM

see also Humerus

—FRACTURE

**Fractures of the forearm** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

—SURGERY

see also Amputations of arm

**Neurorrhaphy of median and ulnar nerves in mid-arm** (*Motion picture*) U. S. Dept. of the Army, 1948.

ARMISTICE DAY see Veterans Day

ARMORED CARS (TANKS) see Tanks (Military science)

ARMS AND ARMOR

see also Aeroplanes, Military—Armament; Firearms; Ordnance; Rifles

**Armed Forces screen magazine, no. 503** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

**U. S. Navy armored life jacket** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

ARMY PACKAGE POWER REACTORS

**The Army package power reactor** (*Motion picture*) U. S. Dept. of the Army, 1958.

ARMY SCHOOLS see Military education; Military post schools

ARMY SUPPLIES see Military supplies

ARMY WAGONS see Vehicles, Military

ARREST

**Apprehension and search of persons** (*Motion picture*) U. S. Dept. of the Army, 1958.

ART

see also Architecture; Photography, Artistic

**The art of the Florentine golden age in the National Gallery of Art** (*Filmstrip*) U. S. National Gallery of Art, 1956.

—GALLERIES AND MUSEUMS

**Museum of art** (*Motion picture*) U. S. Information Agency, 1958. Made by G. M. Productions. Released for public educational use in the United States through U. S. Office of Education, 1958.

ARTERIAL GRAFTS

**Femoral artery by-pass graft with crimped teflon** (*Motion picture*) U. S. Veterans Administration, 1958.

ARTERIES

see also Blood—Circulation; Blood-vessels; Carotid artery; Femoral artery; Veins

—DISEASES

**Arterial disorders in the upper extremity and their treatment by sympathectomy** (*Motion picture*) U. S. Dept. of the Army, 1950.

ARTERIOSCLEROSIS

**Arteriosclerotic occlusive disease** (*Motion picture*) U. S. Veterans Administration, 1958.

ARTERIOVENOUS FISTULA see Fistula, Arteriovenous

ARTHROPODA

see also Insects

**Arthropods of public health importance** (*Filmstrip*) U. S. Public Health Service, 1954.

**Introduction to the insects and their allies** (*Filmstrip*) U. S. Public Health Service, 1959.

ARTICLES OF WAR see Military law

ARTIFICIAL JAWS see Jaws, Artificial

ARTIFICIAL LIMBS

**The cineplastic operation** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Suction socket artificial limb** (*Motion picture*) U. S. Veterans Administration, 1951.

**Upper extremity prosthetic principles** (*Motion picture*) U. S. Veterans Administration, 1955.

**Upper extremity prosthetics** (*Motion picture*) U. S. Veterans Administration, 1952.

ARTIFICIAL RESPIRATION

**Artificial respiration** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**Artificial respiration, the back-pressure arm-lift method** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Audio Productions.

**Techniques of exhaled-air artificial respiration** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

ARTIFICIAL TEETH see Teeth, Artificial

ARTILLERY

see also Anti-aircraft guns; Ordnance

**Field artillery sight tests and adjustments** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Fire: Artillery action in Korea** (*Motion picture*) U. S. Dept. of the Army, 1952.

**The great gun** (*Motion picture*) U. S. Dept. of the Army, 1952.

ARTISTS, JAPANESE

**Arts of Japan** (*Motion picture*) U. S. Information Agency, 1954. Made by Tokyo Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

ARTISTS, ORIENTAL

**Asian artists in crystal** (*Motion picture*) U. S. Information Agency, 1956. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1957.

ASCARIDAE

**Ascariasis (Infestation with ascarids)** (*Motion picture*) U. S. Dept. of the Army, 1949.

ASEPTIC SURGERY see Surgery, Aseptic and antiseptic

ASIA

—POLITICS

**What we face in southern Asia** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

ASPHALT PAVEMENTS see Pavements, Asphalt

ASPHYXIA

see also Artificial respiration; Gases, Asphyxiating and poisonous

**First aid for all hands: Asphyxia** (*Motion picture*) U. S. Dept. of the Navy, 1959.

ASSOCIATION see Social groups

ASTIA see U. S. Armed Services Technical Information Agency

ASTRONAUTICS

see also Outer space—Exploration; Space flight; Space flight to Mars; Space ships

**Reaching for space** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Survey of astronautics** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

ASTRONOMY

see also Constellations; Earth; Geodesy; Nautical almanacs; Nautical astronomy; Stars; Tides

**The astronomical triangle** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

**The earth** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1945.

**Time** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

ATAXIA, HEREDITARY see Friedreich's disease

ATLANTIC INTRACOASTAL WATERWAY see Intracoastal Waterway

ATLANTIC PACT, 1949 see North Atlantic treaty, 1949

ATLAS (ICBM)

**Atlas, the ICBM** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

ATMOSPHERE

see also Air; Meteorology

**Air Masses** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Atmospheric stability and instability: Adiabatic process** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

**Atmospheric stability and instability: Existing temperature distribution** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

**Atmospheric stability and instability: Stability and the weather** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

**Atmospheric stability and instability: Thermal convection** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Academy Productions.

ATMOSPHERE, UPPER

see also Jet stream

**Aerobee** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Animals in rocket flight** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The effects of the ionosphere on radio wave propagation** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—ROCKET OBSERVATIONS

**Frontier beyond the sky** (*Motion picture*) U. S. Dept. of the Army, 1960.

ATMOSPHERIC PRESSURE

see also Aeroplanes—Pressurization

**Altitude** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

ATOMIC BOMB

see also Hydrogen bomb; Radioactive fallout

**AAF special delivery** (*Motion picture*) U. S. Army Air Forces, 1946.

**The Air Force story: The Air Force and the atom bomb** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**The basic physics of an atomic bomb** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Tale of two cities** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1946.

—PHYSIOLOGICAL EFFECT

**Atomic medical cases: Japan, World War II** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Effects of atomic bomb explosions** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1952.

**The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

**The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—SAFETY MEASURES

**Individual protection against CBR attack** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Self-preservation in an atomic bomb attack** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1951.

—TESTING

**Atom staff** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**The atom strikes** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

**Atomic bomb test, Bikini** (*Motion picture*) U. S. Dept. of the Navy, 1946.

**Operation crossroads** (*Motion picture*) U. S. Dept. of the Navy, 1949.

**Operation Greenhouse** (*Motion picture*) U. S. Atomic Energy Commission, 1951. Made by U. S. Dept. of the Air Force.

**Operation Sandstone** (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by U. S. Dept. of the Air Force.

**Target Nevada** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

ATOMIC ENERGY

see also Nuclear engineering; Nuclear reactors

**Atoms for peace. Part 1: Introducing the atom** (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

**Atoms for peace. Part 4: Scientific advancement** (*Motion picture*) U. S. Information Agency, 1956. Made by Information Productions. Released for public educational use in the United States through U. S. Office of Education, 1957.

**The petrified river: The story of uranium** (*Motion picture*) U. S. Bureau of Mines, 1956.

ATOMIC ENERGY IN AGRICULTURE

**Beltsville answered, no. 4** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Roundup** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

ATOMIC ENERGY RESEARCH

**The Argonaut** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

**Atoms for peace. Part 5: Working together** (*Motion picture*) U. S. Information Agency, 1957. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education.

ATOMIC NUCLEI see Nuclear physics

ATOMIC PILES see Nuclear reactors

ATOMIC POWER

see also Controlled fusion

**Atoms for peace. Part 4: Scientific advancement** (*Motion picture*) U. S. Information Agency, 1956. Made by Information Productions. Released for public educational use in the United States through U. S. Office of Education, 1957.

ATOMIC POWER ENGINEERING see Nuclear engineering

ATOMIC POWER INDUSTRY

**Atoms for peace. Part 7: Atomic power and the United States** (*Motion picture*) U. S. Information Agency, 1958. Made by Information Film Producers. Released for public educational use in the United States through U. S. Office of Education, 1959.

**The peaceful atom** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

ATOMIC RESEARCH see Atomic energy research

ATOMIC WARFARE

see also Air warfare; Atomic weapons; Hydrogen bomb

**ABC warfare defense ashore: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cornel Films.

**The Air Force story: The Air Force and the atom bomb** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**Individual protection against atomic attack** (*Motion picture*) U. S. Dept. of the Army, 1959.

ATOMIC WEAPONS

see also Atomic bomb; Ballistic missiles; Hydrogen bomb

**Atomic tests in Nevada** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

—SAFETY MEASURES

**Individual protection against atomic attack** (*Motion picture*) U. S. Dept. of the Army, 1959.

ATTACHÉS

**Marketing farm products abroad** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

ATTACK AND DEFENSE (MILITARY SCIENCE)

see also Civilian defense; Coast defenses

**The reinforced rifle platoon in the attack of a built up area. Part 2: The attack** (*Motion picture*) U. S. Dept. of the Army, 1954.

AUDIO-VISUAL EDUCATION

see also Visual education

**Audio-visual aids to learning** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1951.

**New eyes and new ears** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

AUDIOMETRY

**Hearing evaluation and rehabilitation** (*Motion picture*) U. S. Dept. of the Army, 1960.

**How to take an audiometer test** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AUSTRALIA

**Australia** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

AUSTRIA

**Austria** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

AUTOGENOUS WELDING see Welding

AUTOMATIC PILOT (HELICOPTERS)

**HO3S automatic stabilization equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Sun Dial Films.

AUTOMATIC PRODUCTION see Automation

AUTOMATIC SPRINKLERS see Fire sprinklers

AUTOMATIC TRANSMISSIONS, AUTOMOBILE see Automobiles—Transmission devices, Automatic

AUTOMATION

**Automation** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Automation on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

AUTOMOBILE ACCIDENTS see Traffic accidents

AUTOMOBILE DRIVERS

see also Motor bus drivers

**Bus care and maintenance** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Bus care and maintenance** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Defensive driving: Tailgating, left turns, parked cars** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Defensive driving: Tailgating, left turns, parked cars** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Industrial hygiene and safety: Drive right** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Frederick K. Rockett Co.

**The operator and his job** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his job** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his passengers** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his passengers** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Passengers, driving hazards, safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Safe driving in bad weather. Part 1: Light vehicles** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Safe driving in Europe** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Safety practices for the motor vehicle driver—non-military driving** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Your driving habits** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Your driving habits** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

AUTOMOBILES

see also Motor buses; Motor-trucks

—BRAKES

**Simple hydraulic systems** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

—DESIGN AND CONSTRUCTION

**Know your car** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Know your car** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

—ELECTRIC EQUIPMENT

**Automotive electricity for military vehicles. Part 2: Principles of operation of the generator** (*Motion picture*) U. S. Dept. of the Army, 1957.

**The battery, ignition, and electrical system** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The battery, ignition, and electrical system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

—FUEL SYSTEMS

see also Carburetors

**Supercharging and fuel injection** (*Motion picture*) U. S. Dept. of the Army, 1956.

—IGNITION

see also Magneto

**Principles of operation of the automotive magneto** (*Motion picture*) U. S. Dept. of the Army, 1940. Released for public educational use through U. S. Office of Education, 1952.

—LUBRICATION

**The why of automotive lubrication** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1952.

—MAINTENANCE

**The battery, ignition, and electrical system** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The battery, ignition, and electrical system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments** (*Motion picture*) U. S. War Dept., 1943.

**The clutch and hand brake** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**The clutch and hand brake** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

**The cooling system and fuel system** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The cooling system and fuel system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The engine assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The engine assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**Engine tests and tune up** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**Engine tests and tune up** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The hydraulic brake system** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**The hydraulic brake system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

**Introduction to preventive maintenance** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**Introduction to preventive maintenance** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**Keeping your car fit** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Keeping your car fit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**The periodic check-up** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**The periodic check-up** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Steering, wheels, front and rear axles** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**Steering, wheels, front and rear axles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

**Transmission, drive shaft, and differential** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**Transmission, drive shaft, and differential** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

**Trouble shooting your car** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Trouble shooting your car** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

—MOTORS

**Automotive trouble shooting. Part 2: Engine tune-up** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The engine assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

**The engine assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker Co.

—MOTORS—SUPERCHARGERS

**Supercharging and fuel injection** (*Motion picture*) U. S. Dept. of the Army, 1956.

—STEERING GEAR

**Chevrolet 4 x 4 and GMC 6 x 6 steering system adjustments** (*Motion picture*) U. S. War Dept., 1943.

**Hydraulic steering, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Steering, wheels, front and rear axles** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

AUTOMOBILES
—STEERING GEAR (Continued)

**Steering, wheels, front and rear axles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

—TRANSMISSION DEVICES

**Planetary gears, principles of operation. Part 1: Single sets** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Torque converter, principles of operation** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

**Transmission, drive shaft, and differential** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**Transmission, drive shaft, and differential** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

—TRANSMISSION DEVICES, AUTOMATIC

**The fluid coupling, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Hydraulic controls in the hydramatic transmission** (*Motion picture*) U. S. Dept. of the Army, 1955.

—WHEELS

**Front end alignment** (*Motion picture*) U. S. War Dept., 1945.

**Steering, wheels, front and rear axles** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**Steering, wheels, front and rear axles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

AUTOMOBILES, MILITARY

**Automotive electricity for military vehicles. Part 4: The ignition circuit** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Automotive trouble shooting. Part 2: Engine tune-up** (*Motion picture*) U. S. Dept. of the Army, 1956.

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AVALANCHES

**Avalanches to order** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

AVERAGE

**Beginning algebra 1, lecture 7: Statistical averages; addition and subtraction of directed numbers** (*Motion picture*) U. S. Dept. of Defense, 1956.

AVIATION see Aeronautics

AVIATION GASOLINE see Aeroplanes—Fuel

AVIATION MECHANICS (PERSONS)

**The airplane mechanic** (*Motion picture*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

**The airplane mechanic** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herbert Kerkow.

AVIATION MEDICINE

see also Aeronautics—Psychology; Flight—Physiological aspects

**The ABC of G** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Associated Screen News. Released for public educational use through U. S. Office of Education, 1948.

**Cardio pulmonary patient & air travel** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**"G" facts** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**The Navy flight surgeon** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Willard Pictures.

**Night vision for airmen** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**World-wide physiological data transmission** (*Motion picture*) U. S. Navy Dept., 1958.

—RESEARCH

**Aero medical research** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

AVIATION PHYSIOLOGY see Flight —Physiological aspects

AVIATORS see Air pilots

AVIGATION see Navigation (Aeronautics)

AVOCATIONS see Hobbies

AYMARA INDIANS

**High plain** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1953.

AZIMUTH

**The azimuth circle and pelorus** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1946.

**Map reading, basic: Azimuth conversion** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Azimuths** (*Motion picture*) U. S. Dept. of the Army, 1957.

# B

BABIES see Infants

BACH CHOIR, BETHLEHEM, PA.

**Voice of a choir** (*Motion picture*) U. S. Dept. of State, 1951. Made by Pathescope Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

BACILLUS DIPHTHERIAE

**Determination of types of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**The in-vitro test for virulence of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**The in-vitro test for virulence of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1950.

**Microscopic study and isolation of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**Tests for virulence of C. diphtheriae in animals** (*Motion picture*) U. S. Public Health Service, 1950.

BACILLUS LEPRAE

**Recognition of leprosy** (*Motion picture*) U. S. Public Health Service, 1950.

BACKACHE

**Flexion exercises in the management of low back mechanical disorders** (*Motion picture*) U. S. Veterans Administration, 1956.

BACKBONE see Spine

BACTERIA

see also Viruses

**Basic biology of bacteria** (*Filmstrip*) U. S. Public Health Service, 1950.

**Studies in bacteriology. Part 1: Classification** (*Motion picture*) U. S. Public Health Service, 1953.

**Studies in bacteriology. Part 2: Motility** (*Motion picture*) U. S. Public Health Service, 1953.

**Studies in bacteriology. Part 3: Cell division** (*Motion picture*) U. S. Public Health Service, 1953.

BACTERIA, AEROBIC

**An outbreak of Salmonella infection** (*Motion picture*) U. S. Public Health Service, 1954.

**Simplified serologic identification of Salmonella cultures** (*Filmstrip*) U. S. Public Health Service, 1951.

**Simplified serologic identification of Shigella cultures** (*Filmstrip*) U. S. Public Health Service, 1951.

BACTERIA, PATHOGENIC

see also Rickettsia; Streptococcus

**The enemy bacteria** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1949.

**Identifying pathogens** (*Filmstrip*) U. S. Public Health Service, 1950.

**Isolation and preliminary identification of cultures** (*Filmstrip*) U. S. Public Health Service, 1951.

BACTERIAL WARFARE see Biological warfare

BACTERIAL WHITE DIARRHEA see Pullorum disease

BACTERIOLOGY

see also Germ theory of disease; Immunity; Medicine, Preventive; Sewage—Purification; Staphylococcus; Surgery, Aseptic and antiseptic

—CULTURES AND CULTURE MEDIA

**Collection of specimens from the eye, nose, and throat** (*Filmstrip*) U. S. Public Health Service, 1951.

**The in-vitro test for virulence of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**The in-vitro test for virulence of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1950.

**Isolation and preliminary identification of cultures** (*Filmstrip*) U. S. Public Health Service, 1951.

**Microscopic study and isolation of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**Preparation of a culture medium** (*Motion picture*) U. S. Public Health Service, 1949.

**Preparation of a culture medium** (*Filmstrip*) U. S. Public Health Service, 1949.

**Simplified serologic identification of Salmonella cultures** (*Filmstrip*) U. S. Public Health Service, 1951.

**Simplified serologic identification of Shigella cultures** (*Filmstrip*) U. S. Public Health Service, 1951.

**Typing of tubercle bacilli by animal inoculation** (*Motion picture*) U. S. Public Health Service, 1950.

**Typing of tubercle bacilli by animal inoculation** (*Filmstrip*) U. S. Public Health Service, 1950.

—TECHNIQUE

see also Sterilization

**Determination of types of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**Determination of types of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1951.

**The high speed blender** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.

**The hypodermic syringe** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1952.

**The in-vitro test for virulence of C. diphtheriae** (*Motion picture*) U. S. Public Health Service, 1950.

**The in-vitro test for virulence of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1950.

**Infectious hazards of bacteriological techniques** (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

**The inoculating needle** (*Motion picture*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

**The inoculating needle** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

**Isolation and identification of beta hemolytic streptococci** (*Filmstrip*) U. S. Public Health Service, 1957.

**The lyophilizer** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

**The pipette** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

BACTERIOLOGY

—TECHNIQUE (Continued)

**Preparation and staining of blood films** (*Motion picture*) U. S. Public Health Service, 1947.

**Preservation of bacteria by desiccation in vacuo** (*Motion picture*) U. S. Public Health Service, 1949.

**Staining blood films for malaria parasite examination** (*Filmstrip*) U. S. Public Health Service, 1947.

**Tests for virulence of C. diphtheriae in animals** (*Motion picture*) U. S. Public Health Service, 1950.

BAKERS AND BAKERIES

—EQUIPMENT AND SUPPLIES

**New mobile bakery equipment** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

BALANCE

**Basic principles of the analytical balance** (*Motion picture*) U. S. Public Health Service, 1951.

**Basic principles of the analytical balance** (*Filmstrip*) U. S. Public Health Service, 1951.

BALL STATE TEACHERS COLLEGE, MUNCIE, IND. see Indiana. Ball State Teachers College, Muncie

BALLISTIC MISSILES

**Ballistic missile trajectories** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The X-17 story** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

BALLISTIC PHOTOGRAPHY see Photography, Ballistic

BALLISTICS

see also Gunnery; Ordnance; Shooting, Military

**Fundamentals of ballistics** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

BALLOONS

see also Aeronautics

**L. T. A. history: Balloons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Metro-Goldwyn-Mayer. Released for public educational use through U. S. Office of Education, 1948.

BAND SAWS

**Chantournage d'une courbe convexe et d'une courbe renversée biseautée** (*Motion picture*) U. S. Office of Education, 1951.

**Filing an internal irregular shape** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Filing an internal irregular shape** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Sawing a reverse curve and a bevel reverse curve** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Sawing a reverse curve and a bevel reverse curve** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Sawing an internal irregular shape** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Sawing an internal irregular shape** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Sawing template metal** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

**Sawing with jig and changing band** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Sawing with jig and changing band** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Sciage avec gabarit et changement de ruban** (*Motion picture*) U. S. Office of Education, 1951.

BANDAGES AND BANDAGING

see also Plaster casts, Surgical; Splints (Surgery)

**Bandaging. Part 1: Triangular bandage** (*Filmstrip*) U. S. War Dept., 1945.

**Bandaging. Part 2: Roller bandage** (*Filmstrip*) U. S. War Dept., 1945.

**Bandaging for hospital corpsmen** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1950.

**New products from agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Surgical dressings** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1948.

BANG'S DISEASE see Brucellosis in cattle

BARGES

**Self-elevating spud type barge** (*Motion picture*) U. S. Army Engineers, 1956.

BARK-BEETLES

**Battle of the beetles** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

BASAL METABOLISM

**Performing the BMR test** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

BASEBALL

**I & E screen magazine, no. 278** (*Motion picture*) U. S. Dept. of Defense, 1956.

BATAN ISLANDS, PHILIPPINE ISLANDS

**Loran comes to Batan** (*Motion picture*) U. S. Coast Guard, 1953.

BATHS

see also Hydrotherapy; Swimming pools

**Basic care of patients. Part 2: The bed bath** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Bathing the patient: Home care** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Bathing the patient: Home care** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**The bed bath** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

BATHYTHERMOGRAPH

**Military oceanography: Bathythermograph observations** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

BATTERIES, ELECTRIC see Electric batteries; Storage batteries

BATTLE DAMAGE REPAIR (WARSHIPS) see Damage control (Warships)

BEACONS

see also Light-ships; Lighthouses

**Buoys and beacons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

BEANS

see also Soy-bean

**Community canning** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Community canning** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**It's a snap** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

BEARINGS (MACHINERY)

see also Friction; Lubrication and lubricants; Roller bearings

**Bearing disassembly and inspection** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Essar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearing reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Essar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearing removal and inspection, [illegible] engine** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Essar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearings** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Essar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearings** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Connecting rods, crankshafts, bearings, and crankcases** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1946.

**Fitting and scraping small bearings** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

**Fitting and scraping small bearings** (*Filmstrip*) U. S. Office of Education, 1942. Made by Castle Productions Corp.

**Removal and replacement of main bearings** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Ships' propulsion transmission system: Gears, propeller shafts, and shaft bearings** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

BEARS

**Little Smokey** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

BEASTS see *Zoology*

BEAVERS

**Soil and water conservation by the beaver** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

BEDMAKING

**Basic care of patients. Part 3: Making an occupied bed** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Making a recovery bed** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

**Making an unoccupied bed** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

**Making the occupied bed** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films Corp.

BEE CULTURE

see also Bees; Honey

**First lessons in beekeeping** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

**Realm of the honeybee** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Transferring bees to movable-frame hives** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

—EQUIPMENT AND SUPPLIES

**Beltsville newsreel, no. 15** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

BEEF

**Canning beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Canning beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Cutting a forequarter of beef** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

**Cutting a hindquarter of beef** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

**Cutting and boning a forequarter of beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Cutting and boning a forequarter of beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

BEEF (Continued)

**Cutting and boning a hindquarter of beef** (*Motion picture*) U. S. Office of Education, [illegible]. Made by Calvin Co.

**Cutting and boning a hindquarter of beef** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by Calvin Co.

—GRADING

**When it's your turn at the meat counter** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

BEEF CATTLE RESEARCH STATION, FRONT ROYAL, VA. see U. S. Beef Cattle Research Station, Front Royal, Va.

BEES

see also Bee culture; Honey

**The anatomy of the honeybee** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

**Realm of the honeybee** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

—DISEASES

**Diagnosis of bee diseases in the apiary** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

BEHAVIOR see Conduct of life; Etiquette

BEHAVIOR (PSYCHOLOGY) see Animals, Habits and behavior of

BELGIUM

**The Benelux countries** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Introducing Belgium** (*Motion picture*) North Atlantic Treaty Organization, [illegible]. Made by Time, [illegible], Amsterdam. Released in the United States by U. S. Dept. of State, [illegible].

BELL-BUOYS see Buoys

BELO HORIZONTE, BRAZIL

**Belo Horizonte** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, [illegible].

BELT CONVEYORS see Conveying machinery

BENNINGTON COLLEGE, BENNINGTON, VT.

**Bennington College** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education.

BERKSHIRE MUSIC CENTER, STOCKBRIDGE, MASS.

**Tanglewood, music school and music festival** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by MPO Productions. Released for educational use in the United States through U. S. Office of Education, [illegible].

BERKSHIRE SYMPHONIC FESTIVAL

**Tanglewood, music school and music festival** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by MPO Productions. Released for educational use in the United States through U. S. Office of Education, [illegible].

BERLIN

**Armed Forces screen magazine, no. [illegible]** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Operation vittles** (*Motion picture*) U. S. Dept. of the Air Force, 1948.

BIBLE

—NATURAL HISTORY

**The land and the Book** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

BIKINI ISLAND

**Atomic bomb test, Bikini** (*Motion picture*) U. S. Dept. of the Navy, 1946.

**Bikini — radiological laboratory** (*Motion picture*) U. S. Atomic Energy Commission, [illegible]. Made by University of Washington.

**Operation crossroads** (*Motion picture*) U. S. Dept. of the Navy, [illegible].

BILE-DUCTS

—RADIOGRAPHY

**Operative cholangiography** (*Motion picture*) U. S. Veterans Administration, [illegible].

BILHARZIOSIS see Schistosomiasis

BILL OF RIGHTS (U. S.) see U. S. Constitution, 1st-10th amendments

BIOLOGICAL SPECIMENS

—COLLECTION AND PRESERVATION

**Collecting specimens for virus diagnosis** (*Filmstrip*) U. S. Public Health Service, [illegible].

BIOLOGICAL WARFARE

**ABC warfare defense ashore: Introduction** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Caravel Films.

**Medical defense against biological warfare: Basic considerations** (*Motion picture*) U. S. Navy Dept., [illegible]. Made by Fordel Films.

**Medical defense against biological warfare: Basic plan after attack** (*Motion picture*) U. S. Navy Dept., [illegible]. Made by Fordel Films.

—SAFETY MEASURES

**Individual protection against CBR attack** (*Motion picture*) U. S. Dept. of the Army, [illegible].

BIRDS

see also Water-birds

**Birds: their value to agriculture** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. Fish and Wildlife Service, [illegible].

BIRDS, PROTECTION OF

see also Game protection

**Behind the flyways** (*Motion picture*) U. S. Fish and Wildlife Service, [illegible].

**Birds: their value to agriculture** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. Fish and Wildlife Service, [illegible].

BITES, VENOMOUS see Venom—Physiological effect

BITUMINOUS COAL

**Powering America's progress: A modern story of bituminous coal** (*Motion picture*) U. S. Bureau of Mines in cooperation with Bituminous Coal Institute, [illegible].

BLACK MARKET

**Black marketing** (*Motion picture*) U. S. Office of War Information, Domestic Branch, [illegible]. Released also through U. S. Office of Education, [illegible].

BLACKSMITHING

see also Forging; Horseshoeing; Welding

**Basic blacksmith operations** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

**The blacksmith: Calculating and bending rings and links** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**The blacksmith: Calculating and forging a deck socket wrench** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

BLADDER

—SURGERY

**Uretero-ileo-urethral anastomosis—a bladder substitute** (*Motion picture*) U. S. Veterans Administration, [illegible].

BLASTING

**Dynamite** (*Motion picture*) U. S. Public Health Service, 1944.

BLASTOMYCOSIS

**Blastomyces dermatitidis** (*Filmstrip*) U. S. Public Health Service, [illegible].

BLASTOMYCOSIS, BRAZILIAN see Coccidioidosis

BLEEDING see Hemorrhage

BLIND

see also Children, Blind

—EDUCATION

**My child is blind** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by Unity Films. Released for public educational use through U. S. Office of Education, [illegible].

—EMPLOYMENT

**Employing blind workers in industry** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, [illegible]. Made by Caravel Films.

**Instructing the blind worker on the job** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, [illegible]. Made by Caravel Films.

—REHABILITATION

**The long cane. Part 1: Indoors** (*Motion picture*) U. S. Veterans Administration, [illegible].

**The long cane. Part 2: Outdoors** (*Motion picture*) U. S. Veterans Administration, [illegible].

**Rehabilitation of the blind** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by Unity Films. Released for public educational use through U. S. Office of Education, [illegible].

BLIND FLYING see Instrument flying

BLIND LANDING see Ground controlled approach; Instrument landing systems

BLOOD

see also Hemorrhage

**Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock)** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Film Graphics.

—ANALYSIS AND CHEMISTRY

**Collection of blood specimens for serological examination** (*Filmstrip*) U. S. Public Health Service, [illegible].

—CIRCULATION

see also Pulse; Veins

**Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock)** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Film Graphics.

—COLLECTION AND PRESERVATION

**Hematological technique: Collecting blood samples** (*Motion picture*) U. S. Dept. of the Navy, [illegible].

—EXAMINATION

see also Blood groups

**Hematological technique for charging the hemocytometer** (*Motion picture*) U. S. Dept. of the Navy, [illegible].

—PARASITES

**Infective larvae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

**The laboratory diagnosis of schistosomiasis** (*Filmstrip*) U. S. Public Health Service, [illegible].

**Microfilariae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

**Miracidia of Schistosoma japonicum** (*Motion picture*) U. S. Public Health Service, 1947.

**Schistosomes in the primary host** (*Motion picture*) U. S. Public Health Service, [illegible].

**Schistosomiasis** (*Filmstrip*) U. S. Public Health Service, [illegible].

—TRANSFUSION

**Preparation and use of human plasma** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1948.

BLOOD BANKS

see also Blood—Collection and preservation

**Blood and bullets** (*Motion picture*) U. S. Dept. of Defense, 1951.

BLOOD DONORS

**Blood and bullets** (*Motion picture*) U. S. Dept. of Defense, 1951.

BLOOD GROUPS

**Fundamentals of the human blood groups** (*Filmstrip*) U. S. Public Health Service, 1954.

BLOOD PLASMA

**Determination of carbon dioxide power with Van Slyke gas apparatus** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Preparation and use of human plasma** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1948.

BLOOD PRESSURE

see also Blood—Circulation

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1948. Made by Willard Pictures.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1948. Made by Willard Pictures.

BLOOD SUBSTITUTES see Blood plasma

BLOOD-VESSELS

see also Arteries; Veins

—SURGERY

**Replacement of abdominal aorta with homotransplant** (*Motion picture*) U. S. Veterans Administration, 1956.

BLUE-PRINTS

**Making a wire template** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1949.

**Making a wire template** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Visualfilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Principal dimensions, reference surfaces and tolerances** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Principal dimensions, reference surfaces and tolerances** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Reading a drawing of a valve bonnet** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Reading a drawing of a valve bonnet** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Reading a three-view drawing** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Reading a three-view drawing** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Sectional views and projections, finish marks** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Sectional views and projections, finish marks** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Ship's blueprints: Basic** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Ship's blueprints: Basic** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Visualizing an object** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Visualizing an object** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

BOATS AND BOATING

see also Aquatic sports; Fishing boats; Life-boats; Motor-boats; Rowing; Submarine boats

**Safety on the water** (*Motion picture*) U. S. Coast Guard, 1954.

**Water wisdom** (*Motion picture*) U. S. Tennessee Valley Authority, 1950. Made by Southern Educational Film Production Service.

BODY TEMPERATURE

see also Thermometers and thermometry, Medical

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1948. Made by Willard Pictures.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1948. Made by Willard Pictures.

BOILING WATER REACTORS

**Construction of the experimental boiling water reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

**The experimental boiling water reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

**Safety experiments with a boiling reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1956.

BOLIVIA

**Tin from Bolivia** (*Motion picture*) U. S. Bureau of Mines in cooperation with Patino Mines & Enterprises Consolidated, 1940.

BOLTS AND NUTS

**Making an anchor bolt** (*Motion picture*) U. S. Veterans Administration, 1949.

BOMB DAMAGE IN INDUSTRY see War damage, Industrial

BOMB RECONNAISSANCE

**Explosive ordnance reconnaissance** (*Motion picture*) U. S. Dept. of the Army, 1957.

BOMBERS

**Armed Forces screen magazine, no. 566** (*Motion picture*) U. S. Dept. of Defense, 1955.

**B-47 pilot's familiarization** (*Motion picture*) U. S. Dept. of the Air Force, 1952.

**Bomber** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

**Combat competition** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Give me a second station** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Tactical bomber in all-weather operations** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Tactical day fighter and fighter bomber operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

—DESIGN AND CONSTRUCTION

**Building a bomber** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

BOMBING, AERIAL

**Air siege** (*Motion picture*) U. S. Dept. of the Air Force, 1947.

**A fighting lady speaks** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Men and planes** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**On target** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

**Target for today** (*Motion picture*) U. S. Army Air Forces, 1944.

**Target Tokyo** (*Motion picture*) U. S. Dept. of the Air Force, 1945.

BONE-GRAFTING

**Construction of screw lock sectional splint** (*Motion picture*) U. S. Dept. of the Army, 1947.

BONES

see also Fractures; Humerus; Skull; Spine; Tibia

**Anatomy and physiology: The skeletal system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

BONIN ISLANDS

**Carolines, Marianas, Bonin Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

BOOK ILLUSTRATION see Illustration of books

BOOK INDUSTRIES AND TRADE

**Books for everyone** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

BOOKS AND READING

see also Libraries

**Books for everyone** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

BORDER LIFE see Frontier and pioneer life

BORING

see also Core drilling; Oil well drilling; Wells

**The drilled well: Sanitary aspects** (*Filmstrip*) U. S. Public Health Service, 1954.

**Drilling a well by the percussion method** (*Motion picture*) U. S. Public Health Service, 1952.

**Operating a mobile well boring rig** (*Motion picture*) U. S. Public Health Service, 1953.

BORNEO

**Borneo and Celebes** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

BOXES

**Packaging and packing: Fully cleated crates** (*Filmstrip*) U. S. Dept. of the Army, 1956.

**Packaging and packing: Nailed wood boxes** (*Filmstrip*) U. S. Dept. of the Army, 1955.

BRACHIAL NERVES see Nerves, Brachial

BRADY, MATHEW B., 1823 (ca.)-1896

**I & E screen magazine, no. 532** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

BRAIN

see also Nervous system

—INFLAMMATION

**Arthropod-borne virus encephalitides** (*Motion picture*) U. S. Dept. of the Army, 1947.

**An introduction to arthropod-borne encephalitis** (*Motion picture*) U. S. Public Health Service, 1957.

**Teschen disease** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1953. Made by Byron, Inc.

—SURGERY

**Behavioral changes following paleocortical injury in rodents, carnivores, and primates** (*Motion picture*) U. S. Dept. of the Army, 1953.

BRAKES

see also Air-brakes; Hydraulic brakes

**Adjusting mechanical brakes** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

**Application of Pascal's law, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

**The hydraulic brake system** (*Motion picture*) U. S. Office of Education, 1945. Made by Century Productions.

**The hydraulic brake system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Century Productions.

**Inspecting and adjusting hydraulic brakes** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Inspecting and adjusting hydraulic brakes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing and relining mechanical brakes** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing and relining mechanical brakes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

BRANCH LIBRARIES see Libraries—Branches, delivery stations, etc.

BRASS

**Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off** (*Motion picture*) U. S. Veterans Administration, 1949.

**Turning brass with hand gravers. Part 2: Turning straight and square shoulders** (*Motion picture*) U. S. Veterans Administration, 1948.

BRAVERY see Courage

BRAZIL

**Brazil** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

BRAZILIAN NEWSPAPERS

**Brazil gets the news** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Brazil Tourist Information Bureau, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

BRAZING

see also Solder and soldering

**Brazing carbide tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Brazing carbide tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Brazing flanges with silver solder** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with silver solder** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with spelter** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with spelter** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

BREADSTUFFS see Grain

BREAST

—CANCER

**Breast cancer: The problem of early diagnosis** (*Motion picture*) American Cancer Society and U. S. National Cancer Institute, 1949. Made by Audio Productions.

**Breast self-examination** (*Motion picture*) American Cancer Society and National Cancer Institute of the U. S. Public Health Service, 1950. Produced by Audio Productions.

—SURGERY

**Mammaplasty** (*Motion picture*) U. S. Dept. of the Navy, 1958.

—TUMORS

**Breast self-examination** (*Motion picture*) American Cancer Society and National Cancer Institute of the U. S. Public Health Service, 1950. Produced by Audio Productions.

BREATHING see Respiration

BREATHING APPARATUS see Respirators

BRIDGEPORT, CONN.

**A community advisory service** (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

BRIDGES, MILITARY see Military bridges

BRIDGES, PONTOON see Pontoon-bridges

BRILL'S DISEASE see Typhus fever

BROACHING MACHINES

**Broaching an internal keyway** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Broaching an internal keyway** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Double ram vertical surface broaching** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Double ram vertical surface broaching** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Single ram vertical surface broaching** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Single ram vertical surface broaching** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

BROCCOLI

**Freezing broccoli and corn-on-the-cob** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

BRONCHI

—CANCER

**Block dissection and pneumonectomy of bronchogenic carcinoma, left side** (*Motion picture*) U. S. Veterans Administration, 1958.

**Bronchiogenic carcinoma** (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

BRONCHIECTASIS

**Management and technique of pulmonary lobectomy** (*Motion picture*) U. S. Dept. of the Army, 1947.

BROOKE ARMY MEDICAL CENTER see U. S. Army. Brooke Army Medical Center, Fort Sam Houston, Tex.

BROWNING MACHINE-GUN

**Browning machine gun caliber .30: Principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1954.

BRUCELLOSIS IN CATTLE

**Back the attack on brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Brucellosis ring test** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Epidemiology of brucellosis** (*Filmstrip*) U. S. Public Health Service, 1952.

**The triple threat of brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

BRUCELLOSIS IN MAN see Undulant fever

BUBONIC PLAGUE see Plague

BUBONOCELE see Hernia

BUFFING see Grinding and polishing

BUILDING

see also Architecture; Concrete Construction; Engineering; Foundations; Framing (Building); Scaffolding; Shoring and underpinning; Stair building; Strength of materials

—ARCTIC REGIONS

**U. S. naval Arctic operations: Construction** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1950.

—COLD WEATHER CONDITIONS

**Pile testing** (*Motion picture*) U. S. Army Engineers, 1956.

BUILDING, ICE AND SNOW

see also Igloos

**Undersnow structures** (*Motion picture*) U. S. Army Engineers, 1958.

BUILDING, WOODEN

**Framing: Floor joists and walls** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Framing: Hip and valley rafters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Framing: Rafter principles and common rafters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

BUILDING FITTINGS

see also Door fittings

**Interior and exterior trim** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

BUILDING GUARDS see Watchmen

BUILDING TRADES

**Apprentice training** (*Motion picture*) U. S. Information Agency, 1955. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1956.

BUILDINGS, PREFABRICATED

**Building construction, advanced base type** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Frederick K. Rockett Co. Released for public educational use through U. S. Office of Education, 1956.

BULL SHOALS DAM

**Bull Shoals Dam** (*Motion picture*) U. S. Army Engineers, 1956.

BUOYS

**Buoys and beacons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

**Sentries of the sea lanes** (*Motion picture*) U. S. Coast Guard, 1954.

BURKE, ARLEIGH ALBERT, 1901-

**Admiral Burke takes command** (*Motion picture*) U. S. Dept. of the Navy, 1955.

BURMA ROAD

**Road construction and maintenance in CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

BURNING OF LAND

**Prescribed burning in the South** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

BURNS AND SCALDS

**Burns** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**First aid for all hands: Burns** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**First aid for burns** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

**Management of burns. Part 1: Supportive care** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Management of burns. Part 2: Local care** (*Motion picture*) U. S. Dept. of the Army, 1958.

BURNS AND SCALDS (Continued)

**Management of burns, part 3: Skin grafting** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Management of burns, part 4: Rehabilitation** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Protection against flashburns** (*Filmstrip*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

BURROUGHS NEWSBOY FOUNDATION, BOSTON

**Burroughs newsboy foundation** (*Motion picture*) U. S. Dept. of the Army, 1949. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

BUS DRIVERS see Motor bus drivers

BUSES see Motor buses

BUSINESS CORRESPONDENCE see Commercial correspondence

BUSINESS MACHINES see Office equipment and supplies

BUTYL RUBBER

**Rubber from oil** (*Motion picture*) U. S. Bureau of Mines in cooperation with Enjay Co., 1960. Made by Campus Film Productions.

BUYERS' GUIDES see Consumer education; Marketing (Home economics); Shopping

BYRD ANTARCTIC EXPEDITION, 4th, 1946-1947

**Antarctic expedition** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Operation Highjump** (*Motion picture*) U. S. Dept. of the Navy, 1950.

# C

CABBAGE

see also Broccoli

**Ahead of 'em all** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—DISEASES AND PESTS

**Diseases of cabbage and related crops** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Cornell University, 1956.

CABLES

**Cable splicing. Part 1: The five-tuck navy splice** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Cable splicing. Part 2: The Liverpool tuck splice** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Identifying and precutting cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Identifying and precutting cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Making a five tuck splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a five tuck splice** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a wrapped and soldered splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a wrapped and soldered splice** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Swaging cable terminals** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Swaging cable terminals** (*Filmstrip*) U. S. Office of Education, 1944. Produced by Bray Studios.

CAFETERIAS see Restaurants, lunch rooms, etc.

CALAMITIES see Disasters

CALCIUM IN THE BODY

**Analysis for calcium** (*Motion picture*) U. S. Dept. of the Navy, 1957.

CALIFORNIA

**California and its natural resources** (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1962.

CALIFORNIA. UNIVERSITY. UNIVERSITY AT LOS ANGELES

**UCLA** (*Motion picture*) U. S. Dept. of State, 1955. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1955.

CALIPERS

**The micrometer** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

**Verniers** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

**Verniers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

CALLISTHENICS

**Physical fitness for Waves: Make-up from the neck down** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

CALVES

**Beltsville newsreel, no. 2** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

CAMBISTRY see Weights and measures

CAMERAS

**The basic camera** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

**Care and operation of gun cameras** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

CAMOUFLAGE (MILITARY SCIENCE)

**Camouflage for scouting and patrolling** (*Motion picture*) U. S. Dept. of the Army, 1957.

CAMPAIGNS, PRESIDENTIAL see Presidents —Election

CAMPING

see also Outdoor life

**Vision in the forest** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

CAMPS, MILITARY

see also Concentration camps

**Marine reservists at summer camp** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

CANADA

**Canada** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

**Introducing Canada** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by National Film Board of Canada, Montreal. Released in the United States by U. S. Dept. of State, 1957.

CANCER

**Cancer education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

**Cancer: The problem of early diagnosis** (*Motion picture*) American Cancer Society and U. S. National Cancer Institute, 1949. Produced by Audio Productions.

CANCER RESEARCH

**Challenge: Science against cancer** (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1950. Released in the U. S. by International Film Bureau.

**The fight: Science against cancer** (*Motion picture*) Canadian Dept. of National Health and Welfare, Ottawa, and the National Cancer Institute of the U. S. Public Health Service, Federal Security Agency. Made by the National Film Board of Canada in cooperation with the Medical Film Institute of the Association of American Medical Colleges. Released by National Film Board of Canada, 1951. Released in the U. S. by International Film Bureau, 1953.

CANNED FOODS see Food, Canned

CANNING AND PRESERVING

see also Food, Canned

**Canning beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Canning beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Canning chicken** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

**Canning fruits and tomatoes** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

**Canning meat** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

**Canning vegetables the steam-pressure way** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**Community canning** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Community canning** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

—INDUSTRY AND TRADE

**The production and processing of oysters** (*Motion picture*) U. S. Public Health Service, 1949.

**The production and processing of oysters** (*Filmstrip*) U. S. Public Health Service, 1949.

CANTEENS (RECREATION CENTERS) see Recreation centers

CANVAS

**Hatch canopy** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Hatch canopy. Part 1: Measuring and drawing** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Hatch canopy. Part 2: Layout** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Hatch canopy. Part 3: Machining and finishing-off** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

CAPACITORS see Condensers (Electricity)

CAPE COD SHIP CANAL

**The Cape Cod Canal story** (*Motion picture*) U. S. Army Engineers, 1959.

CARAATE see Pinta

CARBON DIOXIDE

**Determination of carbon dioxide power with Van Slyke gas apparatus** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

CARBORUNDUM see Silicon carbide

CARBURETORS

**Carburetion** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1945.

**The carburetor, part 1** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1945.

**The carburetor, part 2** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1945.

**The carburetor, part 3** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1945.

**Carburetor, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Overhauling the carburetor** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

CARCINOMA see Cancer; Tumors

CARDIAC DISEASES see Heart—Diseases

CARDINAL POINTS

**Map reading, basic: Direction** (*Motion picture*) U. S. Dept. of the Army, 1957.

CARE, INC.

**The CARE story** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

CARGO DROPPING (AEROPLANE) see Airdrop

CARGO HANDLING

see also Unitized cargo systems

**Drafts and slings** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1945.

CARGO PLANES see Transport planes

CARIES, DENTAL see Teeth—Diseases

CAROLINE ISLANDS

**Carolines, Marianas, Bonin Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1946.

CAROLS

**Naval Noel: Angels we have heard on high** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: Carol of the bells** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: Good Christian men rejoice** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: I saw three ships** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: Joy to the world** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: Lo, how a rose e'er blooming** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: Noel** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Naval Noel: Silent night** (*Motion picture*) U. S. Dept. of the Navy, 1956.

CAROTID ARTERY

**Carotid triangle** (*Motion picture*) U. S. Veterans Administration, 1957.

**Superficial structures and boundaries of the carotid triangle** (*Motion picture*) U. S. Veterans Administration, 1957.

CAROTID GLAND

**The surgical treatment of carotid body sensitivity in man** (*Motion picture*) U. S. Dept. of the Army, 1951.

CARPETBAG RULE see Reconstruction

CARRIERS, AEROPLANE see Aeroplane carriers

CARROTS

**Fourteen carrots** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

CARTOGRAPHY

see also Map printing; Map-projection; Maps, Military; Military topography; Nautical charts

**Mapping the world** (*Motion picture*) U. S. Army Engineers, 1957.

**Multiplex mapping, part 1** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Multiplex mapping, part 2** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public education use, 1950.

**The preparation of topographic manuscripts for reproduction** (*Motion picture*) U. S. Geological Survey, 1952.

**Topographic mapping by photogrammetric methods** (*Motion picture*) U. S. Geological Survey, 1957.

—SYMBOLS see Maps—Symbols

CASTAWAYS see Survival (after aeroplane accidents, shipwrecks, etc.)

CASTING see Founding; Plaster casts; Plastics—Molding

CASTOR-OIL

**Beltsville newsreel, no. 11** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

CATABOLISM see Metabolism

CATAPULTS (AERONAUTICS)

**Beaching and launching small seaplanes and amphibians** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.

CATASTROPHES see Disasters

CATCH CROPS see Cover crops

CATHETERS

**Catheterizing the male patient** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

CATHODE RAY OSCILLOGRAPH

**The cathode ray oscilloscope** (*Motion picture*) U. S. Navy Dept., 1944. Made by Jam Handy Organization. Released for public educational use by U. S. Civil Aeronautical Administration, 1946.

CATHODE RAY TUBES

**The cathode ray tube: How it works** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Jam. Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

**Electromagnetic cathode ray tube: Theory of operation** (*Motion picture*) U. S. Dept. of the Navy, 1956.

CATTLE

see also Calves; Dairy cattle; Grazing; Stock and stock-breeding; Stock-ranges

—DISEASES

see also Brucellosis in cattle; Foot-and-mouth disease; Rinderpest; Scabies; Tuberculosis in animals

**Psoroptic sheep and cattle scabies** (*Motion picture*) U. S. Dept. of Agriculture, 19[illegible]

**The triple threat of brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—FEEDING AND FEEDS

**Comida abundante para todos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Extra feeding pays** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Produzir mais alimentos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

CATTLE GRUBS see Warble-flies

CATTLE PLAGUE (RINDERPEST) see Rinderpest

CATTLE-TICK

**The threat of the cattle fever tick** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

CELEBES

**Borneo and Celebes** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1946.

CELL, VOLTAIC see Electric batteries

CELL DIVISION (BIOLOGY)

**Studies in bacteriology. Part 3: Cell division** (*Motion picture*) U. S. Public Health Service, 1953.

CENSORSHIP OF THE PRESS see Liberty of the press

CENTRAL AMERICA

**Good neighbor family** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

CENTRALIZATION OF SCHOOLS see Schools—Centralization

CENTRIFUGAL REGULATORS see Governors (Machinery)

CENTRIFUGES

**The centrifuge** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1955.

CERAMICS

see also Glass; Pottery

**High temperature materials** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

CEREALS see Grain

CESAREAN SECTION

**Cesarean hysterectomy (Porro)** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Cesarean section: Extraperitoneal Pfannenstiel** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Cesarean section: Extraperitoneal with Cherney modification** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Cesarean section: Low cervical paramedian incision** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Caesarean sections** (*Motion picture*) U. S. Dept. of the Army, 1953.

CHAGAS' DISEASES see Trypanosomiasis

CHAIN REACTION PILES see Nuclear reactors

CHANCE

**Opportunity** (*Motion picture*) U. S. Dept. of the Army, 1958.

CHAPLAINCY SERVICE see U. S. Chaplaincy Service

CHAPLAINS, MILITARY

**As deep as the heart** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**The chaplain comes aboard** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

**The chaplain story** (*Motion picture*) U. S. Dept. of the Army, 1954.

CHAPLAINS, MILITARY (Continued)

**Chaplain U. S. A.** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Clergymen in uniform** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Jam Handy Organization.

**Front line Air Force chaplains** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Warner News.

**Naval chapels in the Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1946.

**Navy chaplains, photo report** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1949.

CHARITY

**Charity** (*Motion picture*) U. S. Dept. of the Army, 1959.

CHARTOGRAPHY see Cartography

CHARTS, AERONAUTICAL see Aeronautical charts

CHARTS, NAUTICAL see Nautical charts

CHEMICAL INDUSTRIES

**Texas and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1953. Made by Jamieson Film Co.

CHEMICAL WARFARE

see also Decontamination (from gases, chemicals, etc.)

**ABC warfare defense ashore: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**Medical defense against chemical warfare: Emergency treatment** (*Motion picture*) U. S. Navy Dept., 1959. Made by Sound Masters.

**Medical defense against chemical warfare: Principles of first aid** (*Motion picture*) U. S. Navy Dept., 1959. Made by Sound Masters.

—SAFETY MEASURES

**Individual protection against CBR attack** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Medical defense against chemical warfare: Basic plan for handling casualties** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Medical defense against chemical warfare: Detection of contaminated food** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Medical defense against chemical warfare: Detection of contaminated water** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Medical defense against chemical warfare: Gas attack self aid** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Nerve gases. Part 1: Field recognition and self-aid procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.

CHEMISTRY, DENTAL see Dental chemistry

CHEMISTRY IN WARFARE see Chemical warfare

CHEMURGY

see also Synthetic products

**New uses for farm products** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

CHEST

see also Heart; Lungs; Pericardium; Pleura; Respiratory organs

—SURGERY

**Resistive exercises in physical therapy for thoracoplasty** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

**Therapeutic exercise: Thoracic surgery** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

**Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis** (*Motion picture*) U. S. Dept. of the Army, 1951.

—WOUNDS AND INJURIES

**Sucking wounds of the chest** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Jam Handy Organization.

CHEYENNE, WYO.

—FESTIVALS, ETC.

**Frontier days** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

CHICAGO, MUSEUM OF SCIENCE AND INDUSTRY

**Museum of Science and Industry** (*Motion picture*) U. S. Dept. of State, 1949. Made by Herbert Kerkow Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

CHICKENS see Poultry

CHIEF JOSEPH DAM

**Chief Joseph Dam** (*Motion picture*) U. S. Army Engineers, 1956.

**The power of Chief Joseph** (*Motion picture*) U. S. Army Engineers, 1958.

CHILD PSYCHIATRY

**Preface to a life** (*Motion picture*) U. S. Public Health Service in cooperation with U. S. Office of Education, 1950. Made by Sun Dial Films.

CHILD STUDY

see also Play

**Helping teachers to understand children, part 1** (*Motion picture*) U. S. Information Agency, 1952. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Helping teachers to understand children, part 2** (*Motion picture*) U. S. Information Agency, 1952. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

CHILDREN, BLIND

see also Blind—Education

**My child is blind** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

CHILDREN IN URUGUAY

**Young Uruguay** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S MUSEUMS

**Museums for school children** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by James A. Schwep. Released for public educational use through U. S. Office of Education, 1951.

CHILE

**Atacama desert** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

CHILLS AND FEVER see Malarial fever

CHIN

**Submandibular and submental triangle** (*Motion picture*) U. S. Veterans Administration, 1957.

CHINAWARE see Pottery

CHIROPODY

see also Foot—Care and hygiene

**Care of the feet** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

CHIROTHERAPY see Massage

CHISELS

**Care and use of hand tools. Part 6: Metal cutting chisels** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

**Chisels** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1947.

CHLORINATION

**Functioning of gas feed chlorinators. Part 1: Visible vacuum chlorinator** (*Filmstrip*) U. S. Public Health Service, 1954.

**Functioning of gas feed chlorinators. Part 2: Volume metering chlorinator** (*Filmstrip*) U. S. Public Health Service, 1954.

CHOICE OF BOOKS see Books and reading

CHOICE OF PROFESSION see Vocational guidance

CHRISTMAS MUSIC

see also Carols

**The big picture: Christmas in music** (*Motion picture*) U. S. Dept. of the Army, 1958.

CHRISTMAS TREES

**Selecting your Christmas tree** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**A tree grows for Christmas** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**A tree grows for Christmas** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

CHROMATIC ABERRATION (OPTICS) see Lenses

CHROMITE

**Boiler repairs, fire side: Installing plastic chrome ore** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

CHROMIUM-MOLYBDENUM STEEL

**Piping fabrication for shipboard high temperature steam systems: Welding** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

CHRONOMETER

**Time pieces** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

CICADA, PERIODICAL see Periodical cicada

CIRCUITS, ELECTRIC see Electric circuits

CIRCULAR FUNCTIONS see Trigonometric functions

CIRCULAR LETTERS

**Circular letters** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

CIRCULATION OF THE BLOOD see Blood—Circulation

CITY AND TOWN LIFE

**Ohio town** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

**Three cities** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

**The town** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

CITY GOVERNMENT see Municipal government

CIVIL ENGINEERING

see also Docks; Drainage; Earthwork; Foundations; Harbors; Hydraulic engineering; Irrigation; Military engineering; Piers; Piling (Civil engineering); Public works; Reclamation of land; Strength of materials; Surveying; Tunnels; Water-supply engineering

—COLD WEATHER CONDITIONS

**Seabees in the Antarctic: Base construction and equipment operation** (*Motion picture*) U. S. Dept. of the Navy, 1956.

CIVIL LIBERTY see Liberty

CIVIL SERVICE

**Working for the U. S. A.** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Your part in position classification** (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

CIVIL WAR

—U.S. see U.S.—History—[illegible]ar

CIVILIAN DEFENSE

see also Air raid shelters; Atomic bomb—Safety measures; Bomb reconnaissance; Chemical warfare—Safety measures; Decontamination (from gases, chemicals, etc.); Evacuation of civilians; Rescue work

**Trapped** (*Motion picture*) U. S. Federal Civil Defense Administration, 1954.

CIVILIANS, EVACUATION OF see Evacuation of civilians

CLARK HILL RESERVOIR

**Birth of an era** (*Motion picture*) U. S. Army Engineers, 1954.

CLASSIFIED DEFENSE INFORMATION see Defense information, Classified

CLAUSTROPHOBIA

**A clinical picture of claustrophobia** (*Motion picture*) U. S. Veterans Administration, 1952.

CLAVICLE

—SURGERY

**Surgical approaches to the sternoclavicular and acromioclavicular joints** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

CLEAN SPEECH

**Clean speech** (*Motion picture*) U. S. Dept. of the Army, 1958.

CLEANING

see also Laundry

**Cleaning equipment and containers** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

**Vapor compression distilling units: Chemical cleaning** (*Motion picture*) U. S. Dept. of the Navy, 1958.

CLEANING COMPOUNDS

**Fundamentals of detergents** (*Filmstrip*) U. S. Public Health Service, 1949.

CLEANLINESS see Baths; Hygiene; Sanitation

CLEARING OF LAND

**Land clearing operations** (*Motion picture*) U. S. Army Engineers, 1954.

CLINICAL MEDICINE see Medicine, Clinical

CLINICAL RADIOLOGY see Radiology, Medical

CLINICAL THERMOMETERS see Thermometers and thermometry, Medical

CLINICS

see also Dental clinics

**Cancer education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Medin Productions. Released for public educational use through U. S. Office of Education, 1950.

CLINOMETER

**Barometer, hygrometer, clinometer** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

CLOTHING, MEN'S see Men's clothing

CLOTHING, PROTECTIVE

see also Pressure suits

**ABC warfare defense ashore: Protective clothing for decontamination personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**How to use cold weather clothing** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**U. S. Navy armored life jacket** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

CLOTHING AND DRESS

see also Clothing, Protective; Dressmaking; Men's clothing

**What puts a 4-H girl "in"?** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

CLOUDS

see also Condensation trails

**Aerology** (*Filmstrip*) U. S. Navy Dept., 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Cloud formations: Identification from the air** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use, 1947.

**Clouds** (*Motion picture*) U. S. Weather Bureau, 1959.

**Clouds and weather** (*Motion picture*) U. S. Weather Bureau, 1958.

**Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave** (*Motion picture*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

CLUTCHES (MACHINERY)

see also Couplings

**The fluid coupling, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Flywheel clutch and starting engine clutch** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Grader, motorized, caterpillar no. 12: Adjustment of the main flywheel clutch** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Ships' propulsion transmission systems: Clutches and couplings** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

COAL MINES AND MINING

**Powering America's progress: A modern story of bituminous coal** (*Motion picture*) U. S. Bureau of Mines in cooperation with Bituminous Coal Institute, 1956.

COAL-OIL see Petroleum

COAST DEFENSES

**Beach obstacles** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

COASTWISE SHIPPING

**Inside passage** (*Motion picture*) U. S. Army Engineers, 1949.

COATING COMPOSITIONS see Protective coatings

COCCIDIOIDOSIS

see also Blastomycosis

**Coccidioides immitis** (*Filmstrip*) U. S. Public Health Service, 1955.

**Coccidioidomycosis, its epidemiologic and clinical aspects** (*Motion picture*) U. S. Public Health Service and Veterans Administration, 1956.

COCKROACHES

**Zoology and control of the cockroach** (*Filmstrip*) U. S. Public Health Service, 1953.

COCONUT

**The coconut as food and drink** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

COCONUT-PALM

**The coconut as food and drink** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Making useful articles from coconut material** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

COG-WHEELS see Gearing

COLCHICINE

**Beltsville roundup, no. 1** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

COLD

see also Heat; Refrigeration and refrigerating machinery

—PHYSIOLOGICAL EFFECT

**How to use cold weather clothing** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**Prevention of cold injuries** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Task Force Frigid** (*Motion picture*) U. S. Dept. of Defense, 1948.

**Task Force Frigid** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

COLD-STORAGE LOCKERS

**Frozen-food lockers and your food supply** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

COLD WEATHER OPERATIONS (MILITARY) see Transportation, Military—Cold weather conditions; Winter warfare

COLLARBONE see Clavicle

COLLECTIVE SECURITY see Security, International

COLLEGES see Universities and colleges

COLLISIONS, AIRCRAFT see Aeronautics—Accidents

COLLISIONS, AUTOMOBILE see Traffic accidents

COLLISIONS AT SEA

see also Rule of the road at sea; Shipwrecks

**The Beaver-Selja incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**City of Rome incident** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**The Halifax incident** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1950.

COLLISIONS AT SEA (Continued)

**The Stem-Newport incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**The Taurus-Gulf Trade incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**The Voyager-Dora Wenna incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

—PREVENTION

see also Ships' lights

**Meeting at night** (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

COLOMBIA

**Colombia, crossroads of the Americas** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1945.

COLON (ANATOMY)

—SURGERY

see also Colostomy

**Simple anterior closure of colostomy** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Simple anterior closure of transverse colostomy (right side)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Total colectomy** (*Motion picture*) U. S. Veterans Administration, 1957.

COLONIC IRRIGATION see Enema

COLOR-SENSE

see also Retina

**Color vision deficiencies: Definition and evaluation** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Audio Productions.

COLORADO RIVER

**Corralling the Colorado** (*Motion picture*) U. S. Bureau of Reclamation, 1951.

COLOSTOMY

**Abdominal colostomy closure (Pauchet method)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Colostomy closure (End to end anastomosis)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Intra-abdominal closure descending colon colostomy (herniations and multiple openings)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Intra-abdominal colostomy closure (right to left side)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Management of abdominal colostomies (intraperitoneal closures)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Simple anterior closure of colostomy** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Simple anterior closure of transverse colostomy (right side)** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Simple closure of an abdominal colostomy (intraperitoneal approach)** (*Motion picture*) U. S. Dept. of the Army, 1947.

COLUMBIA RIVER

**The Columbia** (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1949.

**Columbia frontier** (*Motion picture*) U. S. Bureau of Reclamation, 1953. Made by U. S. Dept. of Agriculture.

**The Columbia: River of planned destiny** (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.

**Look to the river** (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1952.

**The power of Chief Joseph** (*Motion picture*) U. S. Army Engineers, 1956.

COMA

**Diabetic coma** (*Filmstrip*) U. S. Public Health Service, 1950.

COMBUSTION

see also Fire; Heat

**Circulation in drops** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

**Effect of air flow on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

**High-speed photographs of autoignition and knock in a spark-ignition reciprocating engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

**Photographic studies of propagation environment and flame initiation in turbojet-engine combustors** (*Motion picture*) U. S. National Advisory Committee on Aeronautics, 1955.

**Slow-motion study of fuel injection and combustion in a Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

**Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1946.

**Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

**Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

**A study of air flow in an engine cylinder** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

**A study of combustion in a spark-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aero-

COMMERCE

see also Coastwise shipping; Freight and freightage; Inland navigation; Merchant marine; Shipment of goods; Shipping; Warehouses

**Expanding world relationships** (*Motion picture*) U. S. Dept. of State, 1946. Produced by Burton Holmes Films.

COMMERCIAL CORRESPONDENCE

**Take a letter, please** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1948.

COMMON SENSE

**Common sense** (*Motion picture*) U. S. Dept. of the Army, 1958.

COMMUNICABLE DISEASES

see also Bacteriology; Biological warfare; Dogs as carriers of disease; Epidemics; Epidemiology; Fleas as carriers of disease; Flies as carriers of disease; Germ theory of disease; Immunity; Insects as carriers of disease; Lice as carriers of disease; Mosquitoes; Quarantine; Rats as carriers of disease; Vaccination

**The public health aspects of migrant workers** (*Motion picture*) U. S. Public Health Service, 1952.

**Public health nursing in communicable disease control** (*Filmstrip*) U. S. Public Health Service, 1960.

—PREVENTION

**Cleanliness brings health** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Community vector control demonstration program** (*Motion picture*) U. S. Public Health Service, 1959.

**La enfermedad se propaga** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**How disease travels** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**O que é a doença?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Que es enfermedad?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Sandfly control** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

**Transmissão das doenças** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**What is disease?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Produced by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

COMMUNICABLE DISEASES IN ANIMALS

see also Brucellosis in cattle

**Rickettsiae—laboratory procedure for their isolation and identification** (*Motion picture*) U. S. Dept. of the Army, 1949.

COMMUNICATION

see also Oral communication

**Effective writing** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

COMMUNICATIONS, MILITARY

see also Military telegraph; Military telephone; Radio, Military; Transportation, Military; World War, 1939-1945—Communications

**Communications center procedure. Part 1: Outgoing messages** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**Communications center procedure. Part 2: Incoming messages** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems** (*Filmstrip*) U. S. Dept. of the Army, 1953.

**The radio man fights** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1948.

**Theory of simplex and phantom circuits. Part 1: Balanced conditions** (*Motion picture*) U. S. War Dept., 1944.

**Theory of simplex and phantom circuits. Part 2: Unbalanced conditions** (*Motion picture*) U. S. War Dept., 1944.

COMMUNISM

see also Communist parties

**Communism** (*Motion picture*) U. S. Dept. of Defense. Released for public education use through U. S. Office of Education, 1950.

**Communist objectives in the Far East** (*Motion picture*) U. S. Dept. of Defense, 1956.

**The communist weapon of allure** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Face to face with communism** (*Motion picture*) U. S. Dept. of Defense, 1951.

**George Kennan discusses communism on the Armed Forces Forum** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Mr. George F. Kennan discusses Soviet objectives** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Resist** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Revolt of a generation** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News.

COMMUNIST PARTIES

**Communist blueprint for conquest** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

COMMUNITY AND SCHOOL

**World in a schoolroom** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by International Movie Producers Service. Released for public educational use through U. S. Office of Education, 1951.

COMMUNITY CENTERS

see also Recreation centers

**Citizen's public hall** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Leaders of tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

**SCAP CI&E information centers** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

COMMUNITY CHESTS see Federations, Financial (Social service)

COMMUNITY FORESTS

**Community forests, a local asset** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

COMMUNITY ORGANIZATION

**Junior chamber of commerce** (*Motion picture*) U. S. Dept. of State, 1951. Made by Knickerbocker Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Union and the community** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Promotional Films. Released for public educational use through U. S. Office of Education, 1954.

COMPASS

see also Cardinal points; Magnetism, Terrestrial

**Compass compensation: Tank lighter** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1949.

**Compensating the compass** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1949.

**Correcting the compass** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1949.

**Direction, orientation, and location with compass** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**The magnetic compass** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1949.

**Piloting, surface** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

COMPASS, GYROSCOPIC see Gyro compass

COMPASS, RADIO see Radio compass

COMPASS, SOLAR see Solar compass

COMPOST

**Como cuidar da terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Hay que alimentar la tierra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**The land must eat** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

COMPOUND E see Cortisone

COMPRESSED-AIR STARTERS see Aeroplanes—Motors—Starting devices

COMPRESSIBILITY

**High speed air flow for airfoils (compressibility)** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1944.

COMPULSORY MILITARY SERVICE see Military service, Compulsory

COMPUTER CONTROL see Automation

CONCENTRATION CAMPS

**Japanese relocation** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1943.

**Nuremberg trials** (*Motion picture*) U. S. Dept. of Defense, 1949.

CONCHOLOGY see Mollusks

CONCRETE

see also Pavements

—TESTING

**The inside story of concrete** (*Motion picture*) U. S. Army Engineers, 1954.

CONCRETE CONSTRUCTION

see also Pavements, Concrete

**Construction of pre-stressed concrete tanks** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1949.

**Foundations and concrete** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Operation concrete** (*Motion picture*) U. S. Army Engineers, 1955.

CONDENSATION TRAILS

**Condensation trails—Contrails** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

CONDENSERS (ELECTRICITY)

**Basic electricity: Capacitance in AC circuits** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Capacitance** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1944.

**Capacitance** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

CONDENSERS (STEAM)

**Maintenance and repair of steam condensers: Circulating water side** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1953.

CONDUCT OF LIFE

see also Charity; Clean speech; Courage; Etiquette; Gratitude; Interpersonal relations; Loyalty; Patience; Patriotism; Self-control; Self-respect; Youth

**The golden moment** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

**No man alone** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Service plus** (*Motion picture*) U. S. Dept. of Defense, 1950.

CONDUITS see Electric conduits

CONELRAD

**Conelrad alert** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

CONFERENCES see Forums (Discussion and debate)

CONSCRIPTION, MILITARY see Military service, Compulsory

CONSERVATION OF ENERGY see Force and energy

CONSERVATION OF FOOD see Food conservation

CONSERVATION OF NATURAL RESOURCES see Natural resources

CONSERVATION OF THE SOIL see Soil conservation

CONSERVATION OF WILD LIFE see Wild life, Conservation of

CONSOLIDATION OF SCHOOLS see Schools—Centralization

CONSTELLATIONS

see also Stars

**Star identification** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

CONSTITUTION (FRIGATE)

**Old Ironsides** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

CONSTITUTION OF MATTER see Matter—Constitution

CONSTRUCTION see Architecture; Building; Engineering

CONSTRUCTION OF ROADS see Road construction

CONSUMER EDUCATION

see also Home economics; Marketing (Home economics); Shopping

**Food marketing education for consumers** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

**Selection of fruits and vegetables** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

CONSUMPTION see Tuberculosis

CONTACT PRINTS see Blue-prints

CONTAGIOUS DISEASES see Communicable diseases

CONTAINER CARGO see Unitized cargo systems

CONTAINERS

see also Boxes; Packaging

**Packaging and packing: CONEX containers** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Fabrication of corrugated fiberboard cells and pads** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, submethod 1a-2, container, overwrap, dipcoat sealed** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Sub-method 1a, floating bag** (*Filmstrip*) U. S. Dept. of the Army, 1959.

CONTAMINATED FOOD see Food contamination

CONTINUATION SCHOOLS see Evening and continuation schools

CONTRACTS, GOVERNMENT see Public contracts

CONTRAILS see Condensation trails

CONTROL OF ELECTROMAGNETIC RADIATION see Conelrad

CONTROLLED FUSION

**The magnetic bottle** (*Motion picture*) U. S. Information Agency, 1958. Made by Atomic Energy Commission. Released for public educational use in the United States through U. S. Office of Education, 1959.

CONTROLLERS, ELECTRIC see Electric controllers

CONVALESCENCE

**Convalescent care and rehabilitation of patients with injury to the spinal cord** (*Motion picture*) U. S. War Dept., 1946.

CONVERTIPLANES

**Flight tests of a model of a high-wing transport vertical-take-off airplane with tilting wing and propellers and with jet controls at the rear of the fuselage for pitch and yaw control** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

CONVEYING MACHINERY

see also Hoisting machinery; Wire-rope transportation

**Expediente** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

CONVOY

—COLD WEATHER CONDITIONS

**Operations in sea ice: Convoy operations in sea ice** (*Motion picture*) U. S. Dept. of the Navy, 1954.

CONWAY, N. H.

**Letter from an American schoolboy** (*Motion picture*) U. S. Dept. of State, 1950. Made by Transfilm. Released for educational use in the United States through U. S. Office of Education, 1952.

COOKERY (FISH)

**Fish cookery with savoir** (*Motion picture*) U. S. Fish and Wildlife Service, 1958. Made by Milner Productions.

**Sardines from Maine, Down East style** (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by Sundial Films.

COOKERY (POULTRY)

**Cooking poultry, older birds** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**Cooking poultry, young birds** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**Make mine chicken** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1957.

COOKERY (SHRIMP)

**Shrimp tips from New Orleans** (*Motion picture*) U. S. Fish and Wildlife Service, 1956.

COOKERY (VEGETABLES)

**Cooking fresh vegetables for the school lunch** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

COOKERY, MARINE

**Food preparation and service** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Depicto Films.

COOKING UTENSILS see Kitchen utensils

COOLING APPLIANCES see Refrigeration and refrigerating machinery

COOPERATION, INTERNATIONAL see International cooperation

COOPERATIVE AGRICULTURE see Agriculture, Cooperative

COOPERATIVE SOCIETIES

**Farmers working together** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Men who fish** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

COORDINATES

**Rectangular coordinates** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.

COPPER

**The copper network** (*Motion picture*) U. S. Bureau of Mines, 1957. Made by Jam Handy Organization.

**The use of soldering coppers** (*Motion picture*) U. S. Dept. of the Navy, 1954.

COPPER INDUSTRY AND TRADE

**Arizona and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1955. Made by Frederick K. Rockett Co.

**A story of copper** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1951.

COPPER MINES AND MINING

**A story of copper** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1951.

COPPERSMITHING

**Bending copper tubing to a wire template** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Bending copper tubing to a wire template** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with silver solder** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with silver solder** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with spelter** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Brazing flanges with spelter** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**The coppersmith: Flaring and reducing** (*Motion picture*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**The coppersmith: Flaring and reducing** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**The coppersmith: Working out branches from a line** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**The coppersmith: Working out branches from a line** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Tinning and solder wiping** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Tinning and solder wiping** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

CORE DRILLING

**Foundation explorations** (*Motion picture*) U. S. Army Engineers, 1951.

COREMAKING

**Confection d'un noyau simple** (*Motion picture*) U. S. Office of Education, 1954.

**Making a simple core** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Making a simple core** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding part with deep green sand core** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding part with deep green sand core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Moulage d'une pièce avec un noyau profond de sable vert** (*Motion picture*) U. S. Office of Education, 1954.

CORN, INDIAN see Maize

CORN BORER, EUROPEAN see European corn borer

CORN TRADE see Maize

CORPORAL (MISSILE)

**Corporal** (*Motion picture*) U. S. Dept. of the Army, 1960.

CORPUSCULAR THEORY OF MATTER see Electrons; Matter—Constitution

CORRELATION OF FORCES see Force and energy

CORRESPONDENCE see Commercial correspondence; International correspondence

CORRESPONDENCE SCHOOLS AND COURSES

**Armed forces education: Take time for tomorrow** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1950.

CORROSION AND ANTI-CORROSIVES

see also Paint; Protective coatings; Waterproofing

**Corrosion** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

**Preliminary investigation of fretting** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

**Protection of metals, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Protection of metals, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

CORTISONE

**Beltsville newsreel, no. 8** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

COTTON

**Beltsville newsreel, no. 14** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Cotton—fiber with a future** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**New products from agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

COTTON BOWL GAMES, DALLAS

**Navy-Rice Cotton Bowl Football Game** (*Motion picture*) U. S. Dept. of the Navy, 1958.

COTTON GROWING

**Cotton—fiber with a future** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Men who grow cotton** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Agricultural Extension Services of the Cotton States, 1947.

COTTON RESEARCH

**Beltsville newsreel, no. 9** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

COTTON TRADE

**Men who grow cotton** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Agricultural Extension Services of the Cotton States, 1947.

COTTONSEED

**Beltsville newsreel, no. 11** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

COUGARS see Pumas

CO[illegible]SELING

see also Interviewing; Vocational guidance

**A community advisory service** (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

**Never alone** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

COUNTING TUBES see Geiger-Müller counters

COUNTRY LIFE

see also Farm life; Farmers; Outdoor life

**Blue ribbon** (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

COUNTRY SCHOOLS see Rural schools

COUNTY AGRICULTURAL AGENTS

**The county agent** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

**The county agent** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

**Farming** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

COUNTY GOVERNMENT

**County government** (*Motion picture*) U. S. Dept. of State, 1949. Made by Pictorial Research. Released for educational use in the United States through U. S. Office of Education, 1950.

COUPLINGS

see also Clutches (Machinery)

**The fluid coupling, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Ships' propulsion transmission system: Clutches and couplings** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

COURAGE

see also Fear; Morale

**Are you really a man?** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of conduct. Article 6: Stand firm** (*Motion picture*) U. S. Dept. of the Army, 1959.

**What price courage** (*Motion picture*) U. S. Dept. of the Army, 1958.

COURTS-MARTIAL AND COURTS OF INQUIRY

**The code and you** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

**Evidence in courts-martial: Evidence after the findings** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Evidence in courts-martial: General rules of evidence** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Evidence in courts-martial: Testimony** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**The general court-martial** (*Motion picture*) U. S. Dept. of the Army, 1954.

**The investigating officer** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Military justice** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**The special court-martial** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Special court martial** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1952.

**The summary court-martial** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Summary court martial** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

**This is the code: Procedural articles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

**Uniform code of military justice** (*Motion picture*) U. S. Dept. of the Army, 1954. Released for public educational use, 1956.

COVER CROPS

see also Soil conservation

**Winter cover crops and crop residues for wind erosion control** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

COWEETA EXPERIMENTAL FOREST

**Waters of Coweeta** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

CRAFTS (HANDICRAFTS) see Handicraft

CRANES, WHOOPING see Whooping cranes

CRANES, DERRICKS, ETC.

see also Floating cranes

**Materials handling equipment operation: Gantry truck and warehouse cranes** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sound Masters, inc.

—SAFETY MEASURES

**Crane operations: Safety precautions** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by M. P. O. Productions.

CRANIUM see Skull

CRANKS AND CRANKSHAFTS

**Connecting rods, crankshafts, bearings, and crankcases** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

CREATIVE ABILITY

**Creativity** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

CRIMES, MILITARY see Military offenses

CRIMINAL INVESTIGATION

see also Evidence, Criminal; Fingerprints

**Collection and preservation of evidence** (*Motion picture*) U. S. Dept. of the Army, 1949.

**Suspects and witnesses. Part 3: Interrogating suspects** (*Motion picture*) U. S. Dept. of the Army, 1957.

CRIPPLES see Physically handicapped

CRIPPLES, WAR see Veterans, Disabled

CRITICAL MATERIALS see Strategic materials

CROCKERY see Pottery

CROP ESTIMATING see Agricultural estimating and reporting

CROP INSURANCE see Insurance, Agricultural—Crops

CROP ROTATION see Rotation of crops

CRUTCHES

**Teaching crutch walking** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Teaching crutch walking** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

CRYOGENICS see Refrigeration and refrigerating machinery

CRYSTOLON see Silicon carbide

CULTIVATION OF SOILS see Tillage

CULTIVATORS

**Reconditioning a cultivator** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a cultivator** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

CULTURE CONTACT see Acculturation

CULTURE MEDIA (BACTERIOLOGY) see Bacteriology—Cultures and culture media

CUMBERLAND DISEASE see Anthrax

CUPOLA-FURNACES

**Le chargement et le fonctionnement d'un cubilot** (*Motion picture*) U. S. Office of Education, 1951.

**Charging and operating a cupola** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Charging and operating a cupola** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Préparation d'un cubilot pour le chargement** (*Motion picture*) U. S. Office of Education, 1954.

**Preparing a cupola for charging** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Preparing a cupola for charging** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

CURRENCY QUESTION

see also Money

**Your money's worth** (*Motion picture*) Federal Reserve Bank of Richmond, 1958. Made by Byron, inc.

CUTLERY

**Meat cutting tools and equipment** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

CUTTING see Dressmaking

CUTTING OF METALS see Metal cutting

CYCLONES

**The occluded fronts** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

CYLINDERS

**Cylinder and piston assemblies** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Cylinder head removal** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

**Installation of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

**Reassembly of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1949.

**Reconditioning a cylinder with a portable boring bar** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1949.

**Reconditioning a cylinder with a portable boring bar** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Verafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Removal of cylinder liner** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Removing and inspecting cylinders** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Removing and inspecting cylinders** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Replacement of cylinder liner** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

CYSTOTOMY see Bladder—Surgery

## D

DDT (INSECTICIDE)

**DDT as a mosquito larvicide** (*Motion picture*) U. S. Public Health Service, 1954.

**DDT in the control of household insects** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

**Equipment for hand spraying of DDT** (*Filmstrip*) U. S. Public Health Service, 1947.

**Hand spraying of DDT** (*Filmstrip*) U. S. Public Health Service, 1946.

**Mixing of DDT emulsions** (*Filmstrip*) U. S. Public Health Service, 1945.

**Power spraying with DDT** (*Filmstrip*) U. S. Public Health Service, 1945.

**Rat ectoparasite control** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

DDT (INSECTICIDE) (Continued)

**Rat ectoparasite control** (*Motion picture*) U. S. Public Health Service, 1954.

**Safe practices in handling DDT** (*Filmstrip*) U. S. Public Health Service, 1945.

D E W S see Distant early warning system

DAIRIES see Milk plants

DAIRY CATTLE

**The Dairy Herd Improvement Association, identification and permanent record program** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**Improving dairy herds** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Weigh-a-day-a month** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

DAIRYING

see also Milk; Milk plants

**Better farming: more milk** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Better living through dairy cooperatives** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Mas leche** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Produza mais leite** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Sanitary milk production on the farm** (*Motion picture*) U. S. Public Health Service, 1950.

**Save work in doing dairy chores** (*Filmstrip*) U. S. Dept. of Agriculture, 19[illegible].

—APPARATUS AND SUPPLIES

**Low cost dairy improvement** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

DALLES DAM

**The Dalles Dam** (*Motion picture*) U. S. Army Engineers, 1956.

DAMAGE CONTROL (WARSHIPS)

see also Ships—Maintenance and repair

**Damage control: Civilian-manned ships** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.

DAMS

see also Flood dams and reservoirs

**Harnessing floods** (*Motion picture*) U. S. Army Engineers, 1950.

**TVA** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Advisory Commission of the Council of National Defense, 1941.

DANCING

**The bounteous earth** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Fiestas of the hills** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Fire and water** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Sky dancers of Papantla** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—FOLK AND NATIONAL DANCES

**National Folk Festival, part 1** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**National Folk Festival, part 2** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**National Folk Festival, part 3** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

DATA PROCESSING, ELECTRONIC see Electronic data processing

DAVID W. TAYLOR MODEL BASIN, CARDEROCK, MD. see U. S. David W. Taylor Model Basin, Carderock, Md.

DAYLIGHT

—MEASUREMENT

**How to measure daylight obstruction** (*Filmstrip*) U. S. Public Health Service, 1957.

DEAD RECKONING (NAVIGATION)

**Aerial navigation: Dead reckoning** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

**Dead reckoning** (*Filmstrip*) U. S. Navy Dept., 1942. Released through U. S. Civil Aeronautics Administration, 1946.

DEAF

—EDUCATION

**To hear again** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

—MEANS OF COMMUNICATION

**Speech reading** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

DEAFNESS

see also Ear

**You can hear again** (*Motion picture*) U. S. Veterans Administration, 1949.

DEATH

**Medical certification of the cause of death** (*Filmstrip*) U. S. Public Health Service, 1951.

DECATUR, ALA.

**TVA town** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Transfilm. Released for public educational use through U. S. Office of Education, 1951.

DECLARATION OF INDEPENDENCE see U. S. Declaration of independence

DECONTAMINATION (FROM GASES, CHEMICALS, ETC.)

**ABC warfare defense ashore: Biological and chemical decontamination: exteriors** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Biological warfare decontamination: interiors** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Biological warfare decontamination: personal equipment** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Biological warfare decontamination: personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Chemical warfare decontamination: personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Detection of contaminated areas in biological and chemical warfare** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Protective clothing for decontamination personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**Medical defense against chemical warfare: Basic plan for handling casualties** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Medical defense against chemical warfare: Detection of contaminated food** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Medical defense against chemical warfare: Detection of contaminated water** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**Medical defense against chemical warfare: Gas attack self aid** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Sound Masters.

**The washdown countermeasure: Preventing radiological contamination of ships exposed to underwater atomic attack** (*Motion picture*) U. S. Dept. of the Navy, 1953.

DECORATION DAY see Memorial Day

DEERMICE see Mice

DEFENSE (MILITARY SCIENCE) see Attack and defense (Military science)

DEFENSE, CIVIL see Civilian defense

DEFENSE CONTRACTS

**Contract negotiation techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Defense procurement: Competitive negotiation** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Defense procurement: Contract administration** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Defense procurement: Formal advertising** (*Motion picture*) U. S. Dept. of the Army, 1960.

**The Signal Corps prepares** (*Motion picture*) U. S. Dept. of the Army, 1960.

DEFENSE INFORMATION, CLASSIFIED

**Memorandum on security** (*Motion picture*) U. S. Dept. of the Army, 1959.

DEGREES OF LATITUDE AND LONGITUDE see Geodesy

DEHYDRATED FOODS see Food, Dried

DEHYDRATED MILK see Milk, Dried

DEHYDROFROZEN FOOD see Food, Frozen

DE-ICING OF AEROPLANES see Aeroplanes—Ice prevention

DEMENTIA PRAECOX see Schizophrenia

DEMOCRACY

see also Federal government; Liberty

**Social change in a democracy** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Sun Dial Films. Released for public educational use through U. S. Office of Education, 1952.

DEMOUNTABLE BUILDINGS see Buildings, Prefabricated

DENGUE

**Breakbone fever, "dengue"** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Control of mosquito-borne diseases** (*Motion picture*) U. S. Dept. of the Army, 1945. Released for public educational use through U. S. Office of Education, 1950.

DENMARK

**Introducing Denmark** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Nordisk film junior, Copenhagen. Released in the United States by U. S. Dept. of State, 1956.

DENSITY see Specific gravity

DENTAL CERAMICS see Dentistry—Ceramics

DENTAL CHEMISTRY

**Dental amalgam: Failure caused by moisture contamination** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1948.

DENTAL CLINICS

**Preventive dentistry: Oral hygiene** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

DENTAL HYGIENE see Teeth—Care and hygiene

DENTAL INSTRUMENTS AND APPARATUS

**Dental burs in action** (*Motion picture*) U. S. National Bureau of Standards, in cooperation with U. S. Air Force Dental Service, 1955.

DENTAL MATERIALS

**Dental materials: Specification and certification** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1955.

DENTAL MEDICINE see Teeth—Diseases

DENTAL METALLURGY see Dentistry —Metallurgy

DENTAL SURGERY see Dentistry, Operative

DENTISTRY

see also Teeth

**Dental assistants, their effective utilization** (*Motion picture*) U. S. Public Health Service, 1952. Made by De Frenes Co.

**Oral prophylactic techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Preventive dentistry: A base dental program** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—CERAMICS

**Acrylic jacket crown construction** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

**Alveolectomy in extraction of isolated teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Amalgam restoration** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

**Anterior acrylic bridgework. Part 2: Laboratory procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Complete dentures: Alginate impressions** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

**Matrix** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

**Partial dentures: Biomechanics** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

—METALLURGY

**The casting of dental gold alloys: Thermal expansion technique** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1951.

DENTISTRY, MILITARY

**Dental activities, Walter Reed Army Medical Center** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Dental first aid** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1953.

DENTISTRY, NAVAL

**The Navy Dental Corps** (*Motion picture*) U. S. Navy Dept., 1950. Made by Roland Reed Productions.

DENTISTRY, OPERATIVE

see also Teeth—Extraction

**Alveolectomy after multiple extraction of teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Alveolectomy and multiple pathology** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Amalgam restoration** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

**Cavity preparation** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

**Correction of mandibular prognathism by vertical sliding osteotomy** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Excision of chronic periapical infections** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Excision of gingival hypertrophy** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Excision of mandibular tori** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Gingivectomy** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Matrix** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1950.

**Oral rehabilitation** (*Motion picture*) U. S. Veterans Administration, 1954.

**Removal of an impacted mandibular third molar by controlled sectioning** (*Motion picture*) U. S. Dept. of the Army, 1952.

DEPARTMENT STORES

**Mr. Stuart answers the question** (*Motion picture*) U. S. Dept. of Commerce, Office of Small Business, 1947. Made by U. S. Dept. of Agriculture.

DERMATITIS see Skin—Diseases

DERMATOLOGY

**Dermatology and syphilology. Part 1: Distribution patterns of lesions in the diagnosis of skin diseases** (*Filmstrip*) U. S. Dept. of the Army, 1956.

DERRICKS see Cranes, derricks, etc.

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERTION, MILITARY

**Absent without leave and desertion** (*Motion picture*) U. S. Dept. of the Army, 1948.

DESERTS

**Sun, sand, and survival** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Water in the West** (*Motion picture*) U. S. Bureau of Reclamation, 1951.

DETENTION CAMPS see Concentration camps

DETERGENTS see Cleaning compounds

DETROIT DAM

**Challenge of the North Santiam** (*Motion picture*) U. S. Army Engineers, 1955.

**Operation concrete** (*Motion picture*) U. S. Army Engineers, 1950.

DEW LINE see Distant early warning system

DEXTER DAM

**Key to the emerald empire** (*Motion picture*) U. S. Army Engineers, 1956.

DEXTRAN

**Beltsville newsreel, no. 12** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**New products from agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

DIABETES

**Buying good food** (*Filmstrip*) U. S. Public Health Service, 1950.

**Care of the feet** (*Filmstrip*) U. S. Public Health Service, 1950.

**Care of the patient with diabetes mellitus: Complicated** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the patient with diabetes mellitus; Uncomplicated** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the patient with diabetes mellitus: Uncomplicated** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Cooking good meals** (*Filmstrip*) U. S. Public Health Service, 1950.

**Diabetic coma** (*Filmstrip*) U. S. Public Health Service, 1950.

**Eating for good health** (*Filmstrip*) U. S. Public Health Service, 1950.

**Insulin and its use** (*Filmstrip*) U. S. Public Health Service, 1950.

**Insulin reaction** (*Filmstrip*) U. S. Public Health Service, 1950.

**Planning good meals** (*Filmstrip*) U. S. Public Health Service, 1950.

**Selecting meals for all occasions** (*Filmstrip*) U. S. Public Health Service, 1950.

**The story of Wendy Hill** (*Motion picture*) U. S. Public Health Service in cooperation with American Diabetes Association, 1949. Made by Warner News.

**Tests of diabetes** (*Filmstrip*) U. S. Public Health Service, 1950.

**What is diabetes?** (*Filmstrip*) U. S. Public Health Service, 1950.

DIAGNOSIS

see also Blood—Examination; Body temperature; Diagnosis, Differential; Medicine, Clinical; Pulse; Reflexes; Thermometers and thermometry, Medical

**Collecting specimens for virus diagnosis** (*Filmstrip*) U. S. Public Health Service, 1956.

**The medical examination. Part 1: Importance** (*Motion picture*) U. S. Dept. of the Army, 1949.

**The medical examination. Part 2: Medical history** (*Motion picture*) U. S. Dept. of the Army, 1950.

**The medical examination. Part 3: Examination** (*Motion picture*) U. S. Dept. of the Army, 1950.

DIAGNOSIS, DIFFERENTIAL

**Arthropod-borne virus encephalitides** (*Motion picture*) U. S. Dept. of the Army, 1947.

DICHLORO-DIPHENYL-TRICHLOROETHANE see DDT (Insecticide)

DICTATING MACHINES

**Machine transcription: Machine operation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

**Machine transcription: Transcription technique** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

DICTATORSHIP OF THE PROLETARIAT see Totalitarianism

DIES AND TAPS see Taps and dies

DIESEL LOCOMOTIVES

**Outloading of Diesel locomotives** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

DIESEL MOTOR

**BMEP** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Basic hydraulic governor** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**The construction of diesel engines** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

**Cooper Bessemer diesel engine fuel system** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Terrytoons. Released for public educational use through U. S. Office of Education, 1948.

DIESEL MOTOR (Continued)

**The diesel engine** (*Motion pict*[illegible] U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

**Diesel engine fuel systems** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

**Diesel engine governors. Part 1: Woodward governors** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

**Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

**The diesel engine: Scavenging and supercharging diesel engines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

**Diesel lubrication and cooling systems** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

**Diesel lubrication and cooling systems: Lubrication of the GM-71 series engines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Grader, motorized, caterpillar no. 12: Starting and stopping procedures** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Marine diesel engines for power boats** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Powerhead** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Slow-motion study of fuel injection and combustion in a Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

**Speed drop** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

—MAINTENANCE AND REPAIR

**Air start check valve, cylinder relief valve, and indicator cock** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Bearing disassembly and inspection** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearing reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearing removal and inspection, 8-268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearings** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bearings** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Benchwork, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Benchwork, part 2** ([illegible]*on picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Benchwork, part 3** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Benchwork, part 4** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Bench work, 8-268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Cylinder head and piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Cylinder head removal** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Disassembly, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Disassembly, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Disassembly of the 8-268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**The Elliott-Buchi turbocharger for diesel engines: Disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**The Elliott-Buchi turbocharger for diesel engines: Maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**The Elliott-Buchi turbocharger for diesel engines: Reassembly** (*Motion picture*) U. S. [illegible] of the Navy, 1944. Made by Escar Motion Picture [illegible] Released for public educational use through U. S. [illegible] Education, 1948.

**Engine reassembly, part 1** (*Motion pi*[illegible]) U. S. Dept. of the Navy, 1944. Made by Escar M[illegible] picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Engine reassembly, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Engine reassembly, part 3** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Fuel pump disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Fuel pump reconditioning and reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**General Motors diesel engine unit injectors: Maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Injection nozzle** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

[illegible]**tor block reconditioning and reassembly** (*Motion pic*[illegible]) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Injector block removal and disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Injector block replacement and timin**[illegible] (*Motion picture*, [illegible] S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

[illegible]**spection and preparatory steps** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Inspection of piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Installation of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Installation of liner and piston** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Liner and piston** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Piston and liner removal** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Pistons and rods** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Reassembly, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reassembly. Part 2: Head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reassembly of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reassembly of piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reassembly of the 8-268A engine** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reconditioning the fuel pump** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Removal and replacement of main bearings** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Removal of cylinder liner** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Removal of injection nozzles** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public education use through U. S. Office of Education, 1948.

**Removal of pistons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Replacement of cylinder liner** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Replacement of injection nozzles** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Replacement of pistons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

—VALVES

**The Fulton Sylphon Diesel engine temperature control valve: Operation and adjustment** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

DIET

see also Food; Food habits; Nutrition; School children—Food

**Food for fitness** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

DIET IN DISEASE

**Basic care of patients. Part 5: Feeding the patient** (*Motion picture*) U. S. Dept. of the Army, 1967.

**Buying good food** (*Filmstrip*) U. S. Public Health Service, 1960.

**Cooking good meals** (*Filmstrip*) U. S. Public Health Service, 1960.

**Eating for good health** (*Filmstrip*) U. S. Public Health Service, 1950.

**Planning good meals** (*Filmstrip*) U. S. Public Health Service, 1950.

**Selecting meals for all occasions** (*Filmstrip*) U. S. Public Health Service, 1950.

DIET-KITCHENS

**Hospital food service personnel training. Part 1: Introduction** (*Motion picture*) U. S. Dept. of the Army, 1963. Released for public educational use through the U. S. Office of Education.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIGESTION

see also Enzymes; Nutrition

**Anatomy and physiology: The digestive system** (*Filmstrip*) U. S. Dept. of the Army, 1952.

DIGESTIVE ORGANS

see also Intestines; Stomach

**Anatomy and physiology: The digestive system** (*Filmstrip*) U. S. Dept. of the Army, 1952.

—CANCER

**Gastrointestinal cancer: The problem of early diagnosis** (*Motion picture*) U. S. National Cancer Institute and American Cancer Society, 1960. Made by Audio Productions.

DIGGING MACHINES see Excavating machinery

DIODES

**The diode: Principles and applications** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**The diode: Principles and applications** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

DIOPTRICS see Refraction

DIPHTHERIA

—BACTERIOLOGY

**Determination of types of C. diphtheriae** (*Filmstrip*) U. S. Public Health Service, 1961.

DIRECTED NUMBERS see Signed numbers

DIRECTION, SENSE OF see Orientation

DIRECTION FINDERS, RADIO see Radio direction finders

DIRIGIBLE BALLOONS see Air-ships

DISABLED VETERANS see Veterans, Disabled

DISASTER RELIEF

see also Emergency medical services

**Cummings City: Military assistance in civil disaster** (*Motion picture*) U. S. Dept. of Defense, 1968.

**Disaster aid: Public health aspects** (*Motion picture*) U. S. Public Health Service, 1955.

**Heart of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Operation Noah** (*Motion picture*) U. S. Dept. of the Army, 1966.

**Your Army in disaster relief** (*Motion picture*) U. S. Dept. of the Army, 1949.

DISASTERS

see also Accidents; Collisions at sea; Floods; Shipwrecks; Storms

**Serving the nation** (*Motion picture*) U. S. Dept. of Defense, 1960. Released for public educational use through U. S. Office of Education, 1961.

DISCIPLINE, MILITARY see Military discipline

DISCOVERIES (IN SCIENCE) see Patents

DISCRIMINATION

see also Minorities

**Don't be a sucker** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.

DISCRIMINATION IN EMPLOYMENT

**Commencement** (*Motion picture*) President's Committee on Government Contracts, 1956.

DISCUSSION

see also Forums (Discussion and debate)

**Discussion technique** (*Motion picture*) U. S. Dept. of Defense, 1960. Released for public educational use through U. S. Office of Education, 1961.

**Teaching by guided discussion** (*Motion picture*) U. S. Dept. of the Air Force, 1967.

DISEASE GERMS see Bacteria, Pathogenic; Germ theory of disease

DISEASE WARFARE see Biological warfare

DISEASES, COMMUNICABLE see Communicable diseases

DISEASES, MENTAL see Mental illness

DISEASES, TROPICAL see Tropics—Diseases and hygiene

DISEASES OF ANIMALS see Veterinary medicine

DISEMBARKATION see Landing operations

DISHWASHING

**Food sanitation. Part 3: Washing and storage** (*Filmstrip*) U. S. Public Health Service, 1954.

**Hand dishwashing and general scullery practices** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.

DISHWASHING MACHINES

**Machine dishwashing, double tank** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.

**Machine dishwashing, single tank** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co.

DISPLAY OF MERCHANDISE

**Building food sales through better merchandising** (*Motion picture*) U. S. Dept. of Agriculture, 1960. Made by Boston University.

DISPOSAL OF REFUSE see Refuse and refuse disposal

DISSECTION

**Microdissection applied to mosquito identification** (*Filmstrip*) U. S. Public Health Service, 1953.

DISSOCIATION OF PERSONALITY see Personality, Disorders of

DISTANT EARLY WARNING SYSTEM

**DEW line** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**MSTS Arctic operations, 1956** (*Motion picture*) U. S. Dept. of the Navy, 1957.

DISTILLATION

**Vapor compression distilling units: How they work and how to operate them** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

DISTILLATION APPARATUS

**Vapor compression distilling units: Chemical cleaning** (*Motion picture*) U. S. Dept. of the Navy, 1958.

DITCHES

**Permanent ditch linings** (*Filmstrip*) U. S. Public Health Service, 1945.

DITCHING OF AIRCRAFT see Aeroplanes—Ditching

DIVING, SUBMARINE

**Deep sea diving: Shallow water diving** (*Motion picture*) U. S. Dept. of the Navy, 1944.

**Deep sea diving: The technique of diving** (*Motion picture*) U. S. Dept. of the Navy, 1944.

**The Navy frogmen** (*Motion picture*) U. S. Dept. of the Navy, 1957.

DIVING SUITS

**Deep sea diving: Medical and physical background** (*Motion picture*) U. S. Dept. of the Navy, 1944.

**Deep sea diving: The diving dress** (*Motion picture*) U. S. Dept. of the Navy, 1944.

DOCKS

see also Dry-docks; Harbors

**Docking with keel and bilge blocks** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Preparation for docking with keel and bilge blocks** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

DOCKYARDS see Navy-yards and naval stations

DOCTORS see Physicians

DOCUMENTS see Archives

DOGS

—PHYSIOLOGY

**Demonstration of Cushing's experiment in the dog** (*Motion picture*) U. S. Dept. of the Army, 1949.

—TRAINING

**Armed Forces screen magazine, no. 502** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Training war dogs: Basic exercises** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

DOGS, WAR USE OF

**Training war dogs: Basic exercises** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

DOGS AS CARRIERS OF DISEASE

**The fight against rabies** (*Filmstrip*) U. S. Public Health Service, 1947.

DOMESTIC ANIMALS

see also Cattle; Dogs; Horses; Quarantine, Veterinary; Sheep; Swine

—TRANSPORTATION

**Do unto animals** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Handling livestock for market** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Handling livestock for market** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

DOMESTIC SCIENCE see Home economics

DOOR FITTINGS

**Interior and exterior trim** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1951.

DRAFT, MILITARY see Military service, Compulsory

DRAG (AERODYNAMICS)

see also Lift (Aerodynamics)

**The fundamental nature of air flows and air-flow separation** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**How an airplane flies, parts 1 and 2** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Lift and drag** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**A study of air flow by means of smoke** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.

DRAGS (HYDROGRAPHY)

**Hydrography for charting: Sounding and dragging** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

**Wire drag: A method of hydrographic surveying** (*Motion picture*) U. S. Coast and Geodetic Survey, 1934.

DRAINAGE

see also Ditches

**Concrete ditching for malaria control** (*Motion picture*) U. S. Public Health Service, 1949.

**Dynamite** (*Motion picture*) U. S. Public Health Service, 1944.

**Hydraulic dredging** (*Motion picture*) U. S. Public Health Service, 1947.

**Mosquito problems in irrigated areas** (*Filmstrip*) U. S. Public Health Service, 1953.

**Pole drainage** (*Motion picture*) U. S. Public Health Service, 1946.

DREDGING MACHINERY

see also Excavating machinery

**Hydraulic dredging** (*Motion picture*) U. S. Public Health Service, 1947.

DRESS see Clothing and dress

DRESSING OF POULTRY see Poultry, Dressing of

DRESSINGS (SURGERY) see Splints (Surgery), Wounds—Treatment

DRESSMAKING

see also Needlework

**Fitting dresses** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

**Making a girl's dress** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

**Truly yours: The dress that fits** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

DRIED FOODS see Food, Dried

DRIED MILK see Milk, Dried

DRILL (AGRICULTURAL IMPLEMENT)

**Reconditioning a grain drill** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a grain drill** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.
35 fr., b&w, 35 mm. (Farm work series. Equipment maintenance.

DRILL AND MINOR TACTICS

see also Military art and science; Tactics

**Dismounted drill** (*Motion picture*) U. S. Dept. of the Army, 1955.

**The manual of arms** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

**The platoon** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

**The squad** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1943.

DRILL PRESSES

**Countersinking, counterboring, and spotfacing** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

**Countersinking, counterboring, and spotfacing** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**The drill press** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**The drill press** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Drilling a hole in a pin** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

**Drilling a hole in a pin** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Drilling and tapping cast steel** (*Motion picture*) U. S. Office of Education, 1942. Produced by Emerson Yorke Studio.

**Drilling and tapping cast steel** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Drilling to a layout and spotfacing cast iron** (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

**Drilling to a layout and spotfacing cast iron** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Locating holes, drilling and tapping in cast iron** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

**Locating holes, drilling and tapping in cast iron** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

DRILLING AND BORING

**Assembling in a jig: Drilling and riveting** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Drilling and riveting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling in metal, wood, and plastics** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.

**Drilling with portable drill motors** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling with portable drill motors** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Reconditioning a cylinder with a portable boring bar** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Reconditioning a cylinder with a portable boring bar** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Removing defective rivets** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Removing defective rivets** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

DRINKING FOUNTAINS

**Sanitary design in drinking fountains** (*Filmstrip*) U. S. Public Health Service, 1947.

DRIVER EDUCATION see Automobile drivers

DROP-FORGING see Forging

DROPS

**Circulation in drops** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

DRUGS

**Administration of drugs** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Oral administration of medications** (*Motion picture*) U. S. Navy Dept., 1950. Made by Willard Pictures.

DRY CLEANING see Cleaning

DRY-DOCKS

**The ABD: Wing raising by the flotation method** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**The combat dock: ABD mechanical wing wall raising** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**The combat dock: ABSD, addition of section and crane transfer** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.

**The combat dock: Mooring the ABSD-1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**The combat dock: Principles of construction and operation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1952.

**The combat dock: Self docking the YFD: construction and operation of the ARD** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1952.

**Combat docking** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1952.

**Floating drydocks: Careening the YFD-6** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1952.

**Pontoon drydock** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

DUCTS, BILE see Bile-ducts

DUST

**Operation of industrial hygiene survey equipment: The midget impinger dust sampler** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

DUST, RADIOACTIVE see Radioactive fallout

DWELLINGS

see also Farmhouses; Igloos

**How to measure deterioration in dwellings** (*Filmstrip*) U. S. Public Health Service, 1949.

DYNAMOS

**Generator and regulator systems, principles** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Synchro systems, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

**Synchro systems, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

DYSENTERY

see also Amebiasis; Entamoeba histolytica

**Disenteria** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Life cycle of endamoeba histolytica in dysenteric and non-dysenteric amebiasis** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Prevent dysentery** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

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EAR

—SURGERY

**Mobilization of the stapes** (*Motion picture*) U. S. Dept. of the Army, 1958. Made by Sturgis-Grant Film Productions.

EARLY WARNING SYSTEMS see Distant early warning system

EARTH

see also Antarctic regions; Arctic regions; Atmosphere; Geodesy; Magnetism, Terrestrial; Meteorology; Ocean

**The earth** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

EARTHENWARE see Pottery

EARTHWORK

see also Dams; Dredging machinery; Foundations; Soil mechanics

**Harnessing floods** (*Motion picture*) U. S. Army Engineers, 1956.

**Rolled earth dams** (*Motion picture*) U. S. Army Engineers, 1960.

**The sanitary landfill. Part 1: Operating procedures** (*Filmstrip*) U. S. Public Health Service, 1957.

EAST (NEAR EAST) see Near East

EAST INDIAN REFUGEES see Refugees, East Indian

EASTERN QUESTION (FAR EAST)

**American history II, lecture 10: America's Far Eastern policy** (*Motion picture*) U. S. Dept. of Defense, 1956.

ECHINOCOCCUS see Tapeworms

ECONOMICS

see also Agriculture—Economic aspects; Commerce; Labor and laboring classes; Land; Money

**Expanding world relationships** (*Motion picture*) U. S. Dept. of State, 1946. Produced by Burton Holmes Films.

ECONOMY see Saving and thrift

ECUADOR

**Down where North begins** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**This is Ecuador** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

EDUCATION

see also Correspondence schools and courses; Evening and continuation schools; Illiteracy; Learning, Psychology of; Libraries; Military education; Naval education; Rural schools; Schools; Study, Method of; Teaching; Technical education; Universities and colleges; Vocational education

**Children's guardian** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Design for growing** (*Motion picture*) U. S. Information Agency, 1954. Made by Herbert Kerkow. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Education '57** (*Motion picture*) U. S. Office of Education, 1958. Made by the Westinghouse Broadcasting Co.

**For a bright home life** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Out of the darkness** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**The Wilson Dam School** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.

**Young Uruguay** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—EXPERIMENTAL METHODS

**Businessmen's service club** (*Motion picture*) U. S. Dept. of State, 1951. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

EDUCATION, VISUAL see Visual education

EDUCATION OF ADULTS

**Adult education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

EDUCATION OF CHILDREN

see also Children's museums

**Design for growing** (*Motion picture*) U. S. Information Agency, 1954. Made by Herbert Kerkow. Released for public educational use in the United States through U. S. Office of Education, 1954.

**The Wilson Dam School** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.

EDUCATION OF THE BLIND see Blind—Education

EDUCATION OF THE DEAF see Deaf—Education

EELWORMS see Nematoda

EFFICIENCY, INDUSTRIAL

**Introduction to Army work simplification** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Kinds give it your personal attention** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

EGG (BIOLOGY) see Embryology

EGGS

**Beltsville newsreel, no. 16** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**The good egg** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1955.

**Transplanting hen's ova** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

—GRADING

**Know the eggs you buy** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Shell egg grading** (*Filmstrip*) U. S. Dept. of the Army, 1956.

**U. S. standards for quality of eggs** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

—PRODUCTION

see also Poultry

**Selecting hens for egg production** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

EISENHOWER, DWIGHT DAVID, PRES. U.S., 1890-

**Armed Forces screen magazine, no. 538** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Peace and friendship in freedom: President Eisenhower's 11-nation tour** (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.

**President Eisenhower's visit to South America** (*Motion picture*) U. S. Information Agency, 1960. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.

EL ALAMEIN, BATTLE OF, 1942

**Air power and armies** (*Motion picture*) U. S. Army Air Forces, 1943.

ELBOW

—FRACTURE

**Fractures about the elbow** (*Motion picture*) U. S. Veterans Administration, 1954. Made by Churchill-Wexler Film Productions.

—SURGERY

**Surgical approaches to the elbow joint** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

ELECTORAL COLLEGE see Presidents—Election

ELECTRIC ACCIDENTS see Electricity, Injuries from

ELECTRIC ALARMS

**Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems** (*Filmstrip*) U. S. Dept. of the Army, 1955.

ELECTRIC BATTERIES

see also Storage batteries

**Voltaic cell, dry cell, and storage battery** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

ELECTRIC CAPACITY

see also Condensers (Electricity)

**Basic electricity: Capacitance in AC circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

ELECTRIC CIRCUITS

see also Radio circuits

**Basic electricity: AC parallel circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Basic electricity: AC series circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Basic electricity: Inductance in AC circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Electrical circuit faults** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Electrical circuit faults** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Series and parallel circuits** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Series and parallel circuits** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC COMMUNICATION see Telecommunication

ELECTRIC CONDENSERS see Condensers (Electricity)

ELECTRIC CONDUITS

**Installing conduit** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Installing conduit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Power bending conduit** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Power bending conduit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

ELECTRIC CONTROLLERS

**Across-the-line starters** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

### ELECTRIC CONTROLLERS (Continued)

**Across-the-line starters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Direct current controllers** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Direct current controllers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Reduced voltage starters** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Reduced voltage starters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Wound rotor controllers** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Wound rotor controllers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

### ELECTRIC CURRENTS

**Current and electromotive force** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Current and electromotive force** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

**Current flow, what it is** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

**RCL** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

**RCL** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

**What causes current flow: EMF** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

### ELECTRIC CURRENTS, ALTERNATING

see also Impedance (Electricity); Reactance (Electricity)

**Alternating current** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Basic electricity: AC parallel circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Basic electricity: AC series circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### ELECTRIC DISCHARGES THROUGH GASES

see also Vacuum-tubes; X-rays

**Principles of gas-filled tubes** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Principles of gas-filled tubes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

### ELECTRIC EQUIPMENT OF AUTOMOBILES see Automobiles—Electric equipment

### ELECTRIC FURNACES

**Melting and refining of stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.

### ELECTRIC GENERATORS see Dynamos

### ELECTRIC LINES

#### —POLES

**Pole inspection and maintenance** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Pole line construction. Part 3: Erecting poles and attaching crossarms** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Pole line construction. Part 4: Fundamentals of guying** (*Motion picture*) U. S. War Dept., 1943.

#### —TESTING

**Maintaining good voltage on rural distribution lines** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

### ELECTRIC MACHINERY

see also Dynamos; Electric controllers; Electric motors; Electric transformers; Oscillators, Electric

#### —DESIGN AND CONSTRUCTION

**Repulsion motor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Repulsion motor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Rotating magnetic fields** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Rotating magnetic fields** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Single-phase and polyphase circuits** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Single-phase and polyphase circuits** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Split-phase motor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Split-phase motor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Squirrel-cage rotor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Squirrel-cage rotor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

#### —MAINTENANCE AND REPAIR

**High impact shock on electrical equipment** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1949.

#### —TESTING

**High impact shock on electrical equipment** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1949.

### ELECTRIC MEASUREMENTS

see also Inductance

**Amperes, volts, and ohms** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Amperes, volts, and ohms** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

### ELECTRIC METERS

see also Ohmmeter; Voltmeter

**Basic DC meter movement** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

**Circuit testing with meters and multimeters. Part 2: Practical application** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

### ELECTRIC MOTORS

**Automotive electricity for military vehicles. Part 3: Principles of the starting motor** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Use and care of electric motors** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

#### —REPAIRING

**D. C. motor. Part 1: Mechanical overhaul** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**D. C. motor. Part 1: Mechanical overhaul** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**D. C. motor. Part 2: Rewinding** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**D. C. motor. Part 2: Rewinding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Repulsion-induction motor: General overhaul** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Repulsion-induction motor: General overhaul** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Repulsion motor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Repulsion motor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Rotating magnetic fields** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Rotating magnetic fields** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Single-phase and polyphase circuits** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Single-phase and polyphase circuits** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Split-phase motor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Split-phase motor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Split-phase motor: Rewinding** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Split-phase motor: Rewinding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Squirrel-cage rotor principles** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Squirrel-cage rotor principles** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Three-phase motor. Part 1: Preparing to rewind** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Three-phase motor. Part 1: Preparing to rewind** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Three-phase motor. Part 2: Rewinding** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Three-phase motor. Part 2: Rewinding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

### ELECTRIC MOTORS, SYNCHRONOUS

**Synchro systems, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

**Synchro systems, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

### ELECTRIC OSCILLATORS see Oscillators, Electric

### ELECTRIC POTENTIAL see Electric currents; Electromotive force

### ELECTRIC POWER

**BORAX: Construction and Operation of a Boiling Water Reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

### ELECTRIC POWER DISTRIBUTION

see also Rural electrification

**Highline** (*Motion picture*) U. S. Dept. of the Interior, Bonneville Power Administration, 1950.

### ELECTRIC RESISTANCE

see also Impedance (Electricity); Reactance (Electricity)

**RCL** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

**RCL** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

**What controls current flow: Resistance** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

### ELECTRIC THERMOMETRY see Thermometers and thermometry

### ELECTRIC TRANSFORMERS

**Synchro systems, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

**Synchro systems, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC WAVES

see also Radio, Short wave, Radio waves

**Standing waves on transmission lines** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

ELECTRIC WELDING

**Spot welding** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

**Spot welding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

**A story of arc welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Lincoln Electric Co., 1945.

—SAFETY MEASURES see Welding —Safety measures

ELECTRIC WIRING

see also Electric conduits, Telephone lines

**Cable surface wiring** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Cable surface wiring** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Electrical circuit faults** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Electrical circuit faults** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Installing conduit** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Installing conduit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Installing surface metal raceway** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Installing surface metal raceway** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Joining solid conductors** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Joining solid conductors** (*Filmstrip*) U. S. Office of Education, 1945. Produced by Ray-Bell Films.

**Porcelain protected surface wiring** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Porcelain protected surface wiring** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Power bending conduit** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Power bending conduit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Preparing old buildings for wiring** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Preparing old buildings for wiring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Roughing-in nonmetallic sheathed cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Roughing-in nonmetallic sheathed cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Soldering lugs and splicing stranded conductors** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Soldering lugs and splicing stranded conductors** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Three-wire service entrance** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Three-wire service entrance** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Wire sizes and voltage drop** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Wire sizes and voltage drop** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Wiring old buildings with armored cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Wiring old buildings with armored cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

ELECTRICITY

see also Impedance (Electricity); Reactance (Electricity); Telegraph, Telephone

**Basic electricity** (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Elements of electricity** (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

**Elements of electricity as applied to ignition systems** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

**Ohm's law** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

—STUDY AND TEACHING

**Functional teaching in electricity and electronics** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Dynamic Films. Released for public educational use through U. S. Office of Education.

ELECTRICITY, INJURIES FROM

**Safety precautions for electronics personnel** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education, 1952.

ELECTRICITY IN AGRICULTURE

**Electric farming gets more to market** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Irrigating the electric way** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

**A new look at electric farming** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Power and the land** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**REA comes to the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**The REA story** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

ELECTRICITY ON SHIPS

**Identifying and precutting cable** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Identifying and precutting cable** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Installing and connecting telltale panel** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Installing and connecting telltale panel** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Laying out and installing compartment fixtures** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Laying out and installing compartment fixtures** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Laying out and installing kickpipes and stuffing tubes** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Laying out and installing kickpipes and stuffing tubes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Laying out and installing main wireway** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Laying out and installing main wireway** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Pulling and installing cable and packing terminal tubes** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Pulling and installing cable and packing terminal tubes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Wiring telltale panel** (*Motion picture*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

**Wiring telltale panel** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hugh Harman Productions.

ELECTRIFICATION, RURAL see Rural electrification

ELECTROCARDIOGRAPHY

**Electrocardiography** (*Motion picture*) U. S. Dept. of the Army, 1949.

ELECTROLYTIC CAPACITORS see Condensers (Electricity)

ELECTROMAGNETIC WAVES see Electric waves; Radio waves

ELECTROMAGNETISM

see also Inductance

**How magnets produce electricity** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

**Reproducers** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

ELECTROMAGNETS

**Electromagnets** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELECTROMOTIVE FORCE

**Current and electromotive force** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Current and electromotive force** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

**Theory of the lead-acid storage battery** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**What causes current flow: EMF** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELECTROMYOGRAPHY

**Electromyograph procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.

ELECTRONIC APPARATUS AND APPLIANCES

see also Antennas (Electronics)

**Lubrication of electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bill Sturm Studios.

**Project Tinkertoy** (*Motion picture*) U. S. Dept. of the Navy, 1953.

ELECTRONIC CALCULATING-MACHINES

**Transistors: Switching** (*Motion picture*) U. S. Dept. of the Navy, 1959.

ELECTRONIC DATA PROCESSING

**Introduction to automatic data processing** (*Motion picture*) U. S. Dept. of the Army, 1958.

ELECTRONICS

see also Transistors

**Basic electronics** (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**The diode: Principles and applications** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**The diode: Principles and applications** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Principles of gas-filled tubes** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Principles of gas-filled tubes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**The triode: Amplification** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**The triode: Amplification** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

ELECTRONICS (Continued)

**Vacuum tubes: Electron theory and the diode tube** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

ELECTRONICS IN AERONAUTICS

see also Aids to air navigation; Instrument landing systems; Landing aids (Aeronautics); Loran; Radio in aeronautics

**Airports, airways, and electronics** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

ELECTRONICS IN MILITARY ENGINEERING

see also Radio, Military

**Wave propagation and antenna theory, part 2** (*Filmstrip*) U. S. Dept. of the Army, 1955.

ELECTRONICS IN NAVIGATION

see also Loran; Radio in navigation

**Environmental factors affecting reliability of electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956.

ELECTRONS

see also Electric discharges through gases; Electronics

**Current flow, what it is** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

**The electron, an introduction** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**The electron, an introduction** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**The electron theory** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Wilding Picture Productions.

ELEPHANTIASIS

**Infective larvae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

**Microfilariae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

ELEVATIONS see Altitudes

ELLICE ISLANDS

**Marshall, Gilbert, and Ellice Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1946.

EMBRYOLOGY

see also Reproduction

**How animal life begins** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

**In the beginning** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

EMERGENCIES see Accidents; First aid in illness and injury

EMERGENCIES, MEDICAL see Medical emergencies

EMERGENCY LANDINGS (OVER WATER) see Aeroplanes—Ditching

EMERGENCY MASS FEEDING

**Disaster feeding** (*Motion picture*) U. S. Dept. of the Army, 1960.

EMERGENCY MEDICAL SERVICES

**Management of mass casualties. Part 4: Sorting** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Management of mass casualties. Part 8: Management of mechanical injuries** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Management of mass casualties. Part 10: Management of psychological casualties** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Management of mass casualties. Part 11: Burns** (*Motion picture*) U. S. Dept. of the Army, 1959.

EMERGENCY RELIEF see Disaster relief

EMOTIONS

see also Fear; Prejudices and antipathies

**Working for better public health through recognition of feelings** (*Motion picture*) U. S. Public Health Service, 1953.

EMPLOYEE SUGGESTIONS see Suggestion systems

EMPLOYEES, SUPERVISION OF see Supervision of employees

EMPLOYEES, TRAINING OF

see also Apprentices; Moving-pictures in industry; Technical education

**Apprentice training** (*Motion picture*) U. S. Information Agency, 1953. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1954.

**The cost of an error** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**First impressions** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

**The four steps** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**Spotting immediate training needs** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

EMPLOYEES' REPRESENTATION IN MANAGEMENT

**Union local** (*Motion picture*) U. S. Dept. of State, 1951. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1952.

EMPLOYMENT DISCRIMINATION see Discrimination in employment

EMPLOYMENT MANAGEMENT see Personnel management

EMPLOYMENT OF STUDENTS see Student employment

EMPLOYMENT OF THE BLIND see Blind —Employment

EMPLOYMENT OF VETERANS see Veterans —Employment

EMPLOYMENT OF WOMEN see Woman —Employment

EMULSIONS

**Mixing of DDT emulsions** (*Filmstrip*) U. S. Public Health Service, 1945.

ENCEPHALITIS see Brain—Inflammation

ENDAMOEBA HISTOLYLICA see Entamoeba histolytica

ENDURANCE, PHYSICAL see Physical fitness

ENEMA

**Basic care of patients. Part 6: The enema** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Enemas** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

ENERGY see Force and energy

ENGELMANN SPRUCE

—DISEASES AND PESTS

**Battle of the beetles** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

ENGINEERING

see also Agricultural engineering; Civil engineering; Engines; Forestry engineering; Hydraulic engineering; Irrigation; Mechanics; Military engineering; Nuclear engineering; Sanitary engineering; Strength of materials; Water-supply engineering

**By their deeds** (*Motion picture*) U. S. Bureau of Reclamation, 1957.

—SAFETY MEASURES

**Garrison safe-guards** (*Motion picture*) U. S. Army Engineers, 1952.

ENGINEERING, ARCHITECTURAL see Building

ENGINEERING, TRAFFIC see Traffic engineering

ENGINEERING RESEARCH

see also Research, Industrial

**Science and the Signal Corps** (*Motion picture*) U. S. Dept. of the Army, 1950.

ENGINES

see also Gas and oil engines; Locomotives; Marine engines; Pistons; Pumping machinery; Steam-boilers; Steam-engines; Tractors; Turbines

**Keep 'em running** (*Motion picture*) U. S. Army Engineers, 1953.

ENGLISH AS A FOREIGN LANGUAGE see English language—Study and teaching —Foreign students

ENGLISH LANGUAGE

—ADJECTIVE

**Practical English usage 1, lecture 9: More about modifiers** (*Motion picture*) U. S. Dept. of Defense, 1956.

—ADVERB

**Practical English usage 1, lecture 9: More about modifiers** (*Motion picture*) U. S. Dept. of Defense, 1956.

—CLAUSES

**Practical English usage 1, lecture 4: Words as a team; clauses** (*Motion picture*) U. S. Dept. of Defense, 1956.

—CONJUGATION see English language —Verb

—CONJUNCTIONS

**Practical English usage 1, lecture 4: Words as a team; clauses** (*Motion picture*) U. S. Dept. of Defense, 1956.

—PRONOUN

**Practical English usage 1, lecture 6: More about pronouns** (*Motion picture*) U. S. Dept. of Defense, 1956.

—RHETORIC

**Effective writing** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Organization and mechanics of writing** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Practical English usage 1, lecture 12: Writing clear sentences; co-ordination and subordination** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage 1, lecture 13: Dressing up sentences; parallelism; avoidance of shifts** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage 1, lecture 14: Dressing up sentences; word economy (word reduction)** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage 1, lecture 15: Dressing up sentences; variation** (*Motion picture*) U. S. Dept. of Defense, 1956.

ENGLISH LANGUAGE (Continued)

—SENTENCES

**Practical English usage I, lecture 2: Putting words to work; end punctuation** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage I, lecture 5: More about sentences; punctuation; sentence sense** (*Motion picture*) U. S. Dept. of Defense, 1956.

—STUDY AND TEACHING
—FOREIGN STUDENTS

**Teaching English grammar** (*Motion picture*) U. S. Information Agency, 1959. Made by Paul Alley Productions. Released for public educational use in the United States through U. S. Office of Education, 1960.

**Teaching English naturally** (*Motion picture*) U. S. Information Agency, 1959. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1960.

—SYNTAX

**Practical English usage I, lecture 1: The tools of language** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage I, lecture 3: Words as a team; phrases** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage I, lecture 10: Writing clear sentences; making words agree** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage I, lecture 11: Writing clear sentences; antecedents and modifiers** (*Motion picture*) U. S. Dept. of Defense, 1956.

—VERB

**Practical English usage I, lecture 7: More about verbs** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Practical English usage I, lecture 8: Still more about verbs** (*Motion picture*) U. S. Dept. of Defense, 1956.

—VOWELS

**Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides** (*Motion picture*) U. S. Veterans Administration, 1954.

ENIWETOK (ISLAND)

**Atom atoll** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Operation Greenhouse** (*Motion picture*) U. S. Atomic Energy Commission, 1952. Made by U. S. Dept. of the Air Force.

**Operation Sandstone** (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by U. S. Dept. of the Air Force.

ENTAMOEBA HISTOLYTICA

**Movements of Endamoeba histolytica** (*Motion picture*) U. S. Public Health Service, 1947.

ENTERIC FEVER see Typhoid fever

ENTERITIS see Intestines—Diseases

ENTEROBIASIS see Oxyuriasis

ENTEROBIUS VERMICULARIS see Oxyuris vermicularis

ENTOMOLOGY, ECONOMIC see Insects, Injurious and beneficial

ENTOZOA see Parasites

ENZYMES

**Inside the cell. Part 1: Enzymes in intracellular chemistry** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Inside the cell. Part 2: Regulation of enzymes** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1954.

EPIDEMICS

see also Communicable diseases, Quarantine

**Naval epidemiology** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1946.

EPIDEMICS IN ANIMALS see Communicable diseases in animals

EPIDEMIOLOGY

**The nurse—epidemiologist** (*Filmstrip*) U. S. Public Health Service, 1959.

EPIGENESIS see Embryology

EPIGLOTTIS

**Intra-oral and pharyngeal structures and their movements** (*Motion picture*) U. S. Veterans Administration, 1951.

EPILEPSY

**Seizure: The medical treatment and social problems of epilepsy** (*Motion picture*) U. S. Veterans Administration, 1951.

EPIZOA see Parasites

EPIZOOTIC DISEASES see Communicable diseases in animals

EQUATIONS

**Beginning algebra I, lecture 4: Simple equations and formulas** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 12: Linear equations in one unknown** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 15: Linear equations in two unknowns** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 7: Fractional equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 8: Fractional equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

—NUMERICAL SOLUTIONS

see also Algebra—Graphic methods

**Beginning algebra I, lecture 11: Linear equations in one unknown** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 13: Linear equations in one unknown** (*Motion picture*) U. S. Dept. of Defense, 1956.

EQUATIONS, QUADRATIC

**Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 15: Quadratic equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 16: Quadratic equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

EQUATIONS, SIMULTANEOUS

**Beginning algebra I, lecture 16: Application of simultaneous equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

EQUESTRIANISM see Horsemanship

EROSION

see also Soil conservation, Soils; Wind erosion

**Erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**Raindrops and erosion** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Raindrops and soil erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Soil erosion and its control in orchards** (*Filmstrip*) U. S. Dept. of Agriculture, 1961.

**Soil erosion in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

**Wind erosion: its control on the southern Great Plains** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

ERUPTIVE FEVER see Exanthemata

ESKIMOS

see also Igloos

**Alaskan patrol** (*Motion picture*) U. S. Coast Guard, 1957.

ESOPHAGUS

—CYSTS

**Foregut cyst of the esophagus** (*Motion picture*) U. S. Veterans Administration, 1954.

ESPIONAGE

see also Defense information, Classified

**The case of comrade "T"** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by Warner-Pathe.

ESPIONAGE, RUSSIAN

**The hollow coin** (*Motion picture*) U. S. Dept. of the Army, 1960.

ETHICS, PRACTICAL see Conduct of life

ETHICS, SEXUAL see Sexual ethics

ETHIOPIA

**Ethiopia in the free world** (*Motion picture*) U. S. Dept. of State, 1951. Made by Telenews Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

ETIQUETTE

see also Military ceremonies, honors, and salutes

**Morning coffee with Dorothy Thompson** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

EUROPE

—AIR DEFENSES

**Miracle of promise** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

—DEFENSES

**Evaluating a nation** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

EUROPEAN CORN BORER

**The European corn borer** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

EUROPEAN RECOVERY PROGRAM see Reconstruction (1939-1951)

EUROPEAN WAR, 1914-1918

—AERIAL OPERATIONS

**The Air Force story: The beginning** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

—DIPLOMATIC HISTORY

**American history II, lecture 11: America enters World War I** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 12: American reaction to treaty of Versailles; return to isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.

—RECONSTRUCTION see Reconstruction (1914-1939)

—REGIMENTAL HISTORIES

**The 82d Airborne Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

EUROPEAN WAR, 1939-1945 see World War, 1939-1945

EVACUATION OF CIVILIANS

**Public health problems in mass evacuation** (*Motion picture*) U. S. Public Health Service, 1957.

EVENING AND CONTINUATION SCHOOLS

see also Education of adults

**Adult education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

EVERGREENS

**Evergreen shrubs for dooryard planting** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

EVIDENCE, CRIMINAL

**Collection and preservation of evidence** (*Motion picture*) U. S. Dept. of the Army, 1949.

**Evidence in courts-martial: Evidence after the findings** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Evidence in courts-martial: General rules of evidence** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Evidence in courts-martial: Testimony** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Glass fractures** (*Filmstrip*) U. S. Dept. of the Army, 1955.

**Packaging of evidence for transmittal to the Military Police Criminal Investigation Laboratories** (*Filmstrip*) U. S. Dept. of the Army, 1956.

EWES

**Save more lambs** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

EX-SERVICE MEN see Veterans

EXAMINATIONS, MEDICAL see Diagnosis

EXAMINATIONS, PREPARATION FOR see Study, Method of

EXANTHEMATA

**Vesicular exanthema** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1954.

EXCAVATING MACHINERY

see also Dredging machinery

**Crane shovel unit, Bucyrus Erie, crawler mounted: adjustment of main operating clutches and brakes** (*Motion picture*) U. S. Dept. of the Army, 1957.

EXCHANGE OF PRISONERS OF WAR see Prisoners of war

EXCISION OF JAWS see Jaws—Surgery

EXERCISE

**Physical fitness program for the U. S. Navy** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1944.

EXHIBITIONS, AGRICULTURAL see Agricultural exhibitions

EXPANSION (U. S. POLITICS) see U. S.—Territorial expansion

EXPEDITIONS, ANTARCTIC see Antarctic regions

EXPEDITIONS, ARCTIC see Arctic regions

EXPEDITIONS, SCIENTIFIC see Scientific expeditions

EXPERIMENTAL ANIMALS see Laboratory animals

EXPERIMENTAL PATHOLOGY see Pathology, Experimental

EXPLORER (ARTIFICIAL SATELLITE)

**Army Explorer in space** (*Motion picture*) U. S. Dept. of the Army, 1958.

**The big picture: Countdown to Explorer** (*Motion picture*) U. S. Dept. of the Army, 1958.

**The Explorer in space** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Launching an Explorer** (*Motion picture*) U. S. Dept. of the Army, 1958.

**X minus 80 days** (*Motion picture*) U. S. Dept. of the Army, 1958.

EXPLOSIONS, UNDERWATER see Underwater explosions

EXPORTS see Commerce

EXTENSION WORK, AGRICULTURAL see Agricultural extension work

EXTERMINATION OF PESTS see Pests—Extermination

EXTREMITIES, LOWER

—PARALYSIS see Paraplegia

EXTREMITIES, UPPER

—SURGERY

**Posterior sympathetic denervation of the upper extremity** (*Motion picture*) U. S. Veterans Administration, 1956.

EYE

see also Retina; Vision

**Night vision for airmen** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

—CARE AND HYGIENE

**Eye treatments** (*Motion picture*) U. S. Navy Dept., 1950. Made by Willard Pictures.

—DISEASES AND DEFECTS

**Action of the extra-ocular muscles** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

—EXAMINATION

**Action of the extra-ocular muscles** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

—FOREIGN BODIES

**Field management of eye injuries** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Removal of intraocular foreign bodies** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Removal of magnetic foreign bodies from the eye** (*Motion picture*) U. S. War Dept., 1946.

—MUSCLES

**Action of the extra-ocular muscles** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

—SURGERY

**Field management of eye injuries** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Removal of intraocular foreign bodies** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Treatment for paresis of the superior oblique** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

## F

FM RADIO see Radio frequency modulation

FACE

see also Chin; Mouth

**Masseter, temporal muscles and temporal fascia** (*Motion picture*) U. S. Veterans Administration, 1959.

—SURGERY

**Plastic repair of a cheek and lip** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Wounds of the face and jaw** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

FACIAL NERVES see Nerves, Facial

FACIAL NEURALGIA see Neuralgia, Facial

FACTORIES

—PROTECTION

see also Industry—Security measures; War damage, Industrial

**Industrial plant protection** (*Motion picture*) U. S. Dept. of the Army, 1953.

**It's your decision** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

FACTORS (ALGEBRA)

**Beginning algebra II, lecture 1: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 2: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 3: Special products and factoring** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 4: Special products, factoring, and quadratic equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

FAIR EMPLOYMENT PRACTICE see Discrimination in employment

FAIRS

see also Agricultural exhibitions

**Showcase for freedom** (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1959.

**Tradeways to peace** (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1960. Made by Movietone News.

**Uncle Sam goes to the trade fairs** (*Motion picture*) U. S. Dept. of Commerce, Office of International Trade Fairs, 1958.

FALLOUT, RADIOACTIVE see Radioactive fallout

FAMILY

see also Woman

**And now Miguel** (*Motion picture*) U. S. Information Agency, 1953. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1954.

**The family** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

**Family** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Farm and home development** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

**Planning our family life** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

FARM ANIMALS see Domestic animals; Stock and stock-breeding

### FARM BUILDINGS

see also Farmhouses; Silos; Swine houses and equipment

**Better farm buildings** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

FARM IMPLEMENTS see Agricultural implements

FARM LABORERS see Agricultural laborers

### FARM LIFE

see also Country life

**American farm home life** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

**Farmers of Japan** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Army, 1948.

**Finding minutes** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New Jersey Extension Service, 1943.

**Fundo in Chile** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Rereleased for educational use in the United States through U. S. Office of Education, 1949.

**Is farming for me?** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**Planning our family life** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

FARM MACHINERY see Agricultural machinery

### FARM MANAGEMENT

**Etawah story** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**Labor efficiency on the farm** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**Life for the land** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**The veteran becomes a farmer** (*Motion picture*) U. S. Office of Education, 1946. Produced by W. A. Palmer & Co.

FARM MECHANICS see Agricultural engineering

### FARM MECHANIZATION

see also Electricity in agriculture

**Automation on the farm** (*Motion picture*) U. S. Dept. of Agricult[illegible]6.

### FARM PONDS

**Constructing a farm pond** (*Filmstrip*) U. S. Public Health Service in cooperation with Alabama Departments of Conservation and Health, Alabama Polytechnic Institute, and U. S. Soil Conservation Service, 1949.

### FARM PRODUCE

see also Food industry and trade; Produce trade

**Crops of the Americas** (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

**Crops of the Americas** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

**More and better foods from today's pay check** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

#### —MARKETING

see also Roadside marketing

**Better farm markets** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Fruits, vegetables, and cooperation** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

**Handling livestock for market** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Handling livestock for market** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Marketing builds produce sales** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

**Marketing cost for food** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Marketing research pays off** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Modernizing marketing facilities** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Objectives of marketing information for consumers** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

**Roadside marketing** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Michigan and New York State Colleges of Agriculture, Massachusetts and New Jersey State Departments of Agriculture, and University of New Hampshire, 1959.

### FARMERS

see also Agricultural laborers

**Civil defense for farmers** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**The crop that never fails** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Treasury, 1946.

FARMERS' COOPERATIVES see Agriculture, Cooperative

### FARMHOUSES

**Building the expansible farm house** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

FARMING see Agriculture

### FARMS

#### —VALUATION

**What is a farm worth?** (*Motion picture*) U. S. Farm Credit Administration in cooperation with the University of Illinois, 1957. Made by U. S. Dept. of Agriculture.

FATS see Oils and fats

FAUNA see Forest fauna; Zoology

### FEAR

see also Courage

**Introduction to combat fatigue: Doctor's version** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**Introduction to combat fatigue: Patient's version** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

### FECES

**PVA-fixative technique in the diagnosis of amebiasis** (*Filmstrip*) U. S. Public Health Service, 1950.

#### —ANALYSIS

**Collection of fecal specimens** (*Filmstrip*) U. S. Public Health Service, 1952.

### FEDERAL CROP INSURANCE CORPORATION

**The big gamble** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

### FEDERAL GOVERNMENT

see also Democracy

**State capital** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

### FEDERAL LAND BANKS

**Banking on the land** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

### FEDERAL PARTY

**American history I, lecture 7: The Federalists launch the new government** (*Motion picture*) U. S. Dept. of Defense, 1956.

### FEDERAL RESERVE BANKS

**A day at Federal Reserve Bank of Cleveland** (*Motion picture*) Federal Reserve Bank of Cleveland, 1956.

**The Federal Reserve Bank and you** (*Motion picture*) U. S. Federal Reserve Bank of Minneapolis, 1960. Made by Reid H. Ray Film Industries.

FEDERAL-STATE RELATIONS see Federal government

FEDERALISTS (U.S.) see Federal Party

FEDERATION, INTERNATIONAL see International organization

### FEDERATIONS, FINANCIAL (SOCIAL SERVICE)

**Community Chest** (*Motion picture*) U. S. Dept. of the Army, 1960. Made by RKO Pathé. Released for public educational use through U. S. Office of Education, 1960.

### FEED-WATER

**Feedwater** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

### FEEDING

**Feeding farm animals** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

FEELING see Perception

FEELINGS see Emotions

FEET see Foot

FEMALE see Woman

### FEMORAL ARTERY

**Femoral artery by-pass graft with crimped teflon** (*Motion picture*) U. S. Veterans Administration, 1958.

### FEMUR

#### —FRACTURE

**Fractures of the femur about the hip joint** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

**Fractures of the shaft of the femur** (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

**Intramedullary fixation of the femur** (*Motion picture*) U. S. Dept. of the Army, 1951.

#### —HERNIA

**The repair of femoral hernia** (*Motion picture*) U. S. Veterans Administration, 1956.

#### —SURGERY

**Missile wound of medial aspect of thigh with loss of large segment of femoral artery: Repair with homologous artery graft** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Missile wound of thigh with compound fracture of femur** (*Motion picture*) U. S. Dept. of the Navy, 1954.

### FENCES

**Mechanical aids to physical security. Part 1: Perimeter barriers and personnel identification** (*Filmstrip*) U. S. Dept. of the Army, 1955.

FERMENTATION GUM see Dextran

FERMENTS see Enzymes

### FERTILIZERS AND MANURES

see also Compost

**Beltsville newsreel, no. 1** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Como cuidar da terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Hay que alimentar la tierra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**The land must eat** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Liquid fertilizers** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

### FERTILIZERS AND MANURES (Continued)

**Nutriculture: Vegetable growing** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

FEVER, ENTERIC see Typhoid fever

FEVER, ERUPTIVE see Exanthemata

FEVER-TICK see Cattle-tick

FIELD HOSPITALS see Hospitals, Military; Medicine, Military; War—Relief of sick and wounded

FIELD TELEGRAPH see Military telegraph

### FIELD WORK (EDUCATIONAL METHOD)

**Our town is our classroom** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

### FIGHTER PLANES

**F-86E and F flight controls** (*Motion picture*) U. S. Dept. of the Air Force, 1952.

**Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or +-tails** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**Jet fighter gunnery. Part 2: Air to air** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Jet test** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Audio Productions.

**Tactical day fighter and fighter bomber operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Winged wizardry** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

#### —PILOTING

**Celestial guidance for fighter pilots** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Supersonic thunderbirds** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### FIGHTING, HAND-TO-HAND

**Personal encounter** (*Motion picture*) U. S. Dept. of the Army, 1951.

### FILARIA AND FILARIASIS

**Control of mosquito-borne diseases** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Filariasis** (*Filmstrip*) U. S. Public Health Service, 1947.

**Infective larvae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

**Microfilariae of Wuchereria bancrofti** (*Motion picture*) U. S. Public Health Service, 1947.

### FILES AND RASPS

**Care and use of hand tools. Part 4: Files and filing** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

**Filing** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

**Filing template metal** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

**Filing template metal** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

**Fundamentals of filing** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

**Fundamentals of filing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

### FILMSTRIPS

**Film strip preparation** (*Filmstrip*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

### FILTERS AND FILTRATION

see also Sewage—Purification; Water —Purification

**Filtration plants** (*Filmstrip*) U. S. Public Health Service, 1953.

**The membrane filter** (*Filmstrip*) U. S. Public Health Service, 1959.

**Water purification: Diatomite filter system, installation, operation, and maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

FINANCIAL FEDERATIONS see Federations, Financial (Social service)

### FINGERPRINTS

**Fingerprint lifting** (*Filmstrip*) U. S. Dept. of the Army, 1954.

**Fingerprinting and fingerprint examination** (*Filmstrip*) U. S. Dept. of the Army, 1953.

### FIRE

see also Combustion; Heat

**Damage control: The chemistry of fire** (*Motion picture*) U. S. Navy Dept., 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1944.

**Fire prevention: The nature of fire** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

### FIRE-BRICK

**Boiler repairs, fire side: Installing plastic fire brick** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

### FIRE EXTINCTION

see also Fire sprinklers; Forest fires —Prevention and control

**Damage control: The chemistry of fire** (*Motion picture*) U. S. Navy Dept., 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1944.

### FIRE PREVENTION

see also Fireproofing; Forest fires —Prevention and control

**Fire prevention: Know your fire hazards** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

**Fire prevention: The nature of fire** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Audio Productions.

**Obey the fire laws** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**An object lesson in fire prevention** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Prevent farm fires** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Purdue University, 1944.

#### —RESEARCH

**NACA crash fire research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

### FIRE SPRINKLERS

**Inspection, maintenance, and operation of automatic sprinkler systems** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### FIREARMS

see also Flame throwers; Gunnery; Machine-guns; Ordnance; Rifles; Shooting; Shooting, Military

**Fundamentals of small arms weapons. Part 1: The cycle of operation** (*Motion picture*) U. S. Dept. of the Army, 1945.

**Fundamentals of small arms weapons. Part 2: Types of operation** (*Motion picture*) U. S. Dept. of the Army, 1946.

**Fundamentals of small arms weapons. Part 3: Semiautomatic and automatic fire** (*Motion picture*) U. S. Dept. of the Army, 1945.

**Infantry weapons and their effects: U. S. pistol, cal. .45; submachine gun, cal. .45; U. S. carbine, cal. .30** (*Motion picture*) U. S. Dept. of the Army, 1954.

### FIREPROOFING

**The house in the middle** (*Motion picture*) U. S. Federal Civil Defense Administration, 1953. Made by McGeary-Smith Laboratories.

### FIRST AID IN ILLNESS AND INJURY

see also Artificial respiration; Asphyxia; Bandages and bandaging; Burns and scalds; Emergency medical services; Medical emergencies; Transport of sick and wounded

**Burns** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Dental first aid** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Paul Hance Productions. Released for public educational use through U. S. Office of Education, 1953.

**Emergency medical treatment unit: Phase 1** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Evacuation of casualties at Saipan** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**First aid. Part 1: Major wounds and fractures** (*Motion picture*) U. S. Dept. of the Army, 1957.

**First aid. Part 2: Everyday emergencies** (*Motion picture*) U. S. Dept. of the Army, 1956.

**First aid for all hands: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Independent duty for hospital corpsmen: Doc goes to sea** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.

**Medical defense against biological warfare: Basic plan after attack** (*Motion picture*) U. S. Navy Dept., 1959. Made by Fordel Films.

**Medical defense against chemical warfare: Principles of first aid** (*Motion picture*) U. S. Navy Dept., 1959. Made by Sound Masters.

**Multiple wounds, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Resuscitative care of the severely wounded** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Ski safety: First aid and emergency repair of equipment** (*Motion picture*) U. S. War Dept., 1942.

FISH, PRESERVED see Fishery products —Preservation

### FISH TRADE

see also Fishery products

**Filleting and packaging fish. Part 1: Catching, filleting, and packaging fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.

**Filleting and packaging fish. Part 2: How to fillet fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1947. Made by Sun Dial Films.

**Retailing fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

### FISHERIES

see also Fish trade; Halibut fisheries; Menhaden fisheries

**Fish inspection. Part 1: North Atlantic fish** (*Filmstrip*) U. S. Dept. of the Army, 1956.

### FISHERMEN

**Men who fish** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

### FISHERY PRODUCTS

**Fishery products standards** (*Motion picture*) U. S. Fish and Wildlife Service, 1956. Made by James R. Lee Productions.

#### —PRESERVATION

**Fish inspection. Part 1: North Atlantic fish** (*Filmstrip*) U. S. Dept. of the Army, 1956.

**Fresh out of the water** (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by James R. Lee Productions.

FISHERY PRODUCTS
—PRESERVATION (Continued)

**The production and processing of oysters** (*Motion picture*) U. S. Public Health Service, 1948.

**The production and processing of oysters** (*Filmstrip*) U. S. Public Health Service, 1948.

FISHING

**Brazil's fishing school** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Fresh out of the water** (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by James R. Lee Productions.

**Outboard fisherman, USA** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the Outboard Marine and Manufacturing Co., 1956.

FISHING BOATS

**Outboard fisherman, USA** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the Outboard Marine and Manufacturing Co., 1956.

FISHING NETS

**Basic net mending** (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

FISSIONABLE MATERIALS see Radioactive substances

FISTULA

**Multiple closure of fistulae between the aortic and portacaval systems** (*Motion picture*) U. S. Dept. of the Navy, 1957.

FISTULA, ARTERIOVENOUS

**Arteriovenous fistula** (*Motion picture*) U. S. Veterans Administration, 1956.

FISTULA, RECTO-URETHRAL

**Repair of recto-urethral fistula** (*Motion picture*) U. S. Dept. of the Army, 1947.

FITTING (ENGINEERING) see Machine-shop practice

FIXTURES (MECHANICAL DEVICES) see Jigs and fixtures

FLAME THROWERS

**Infantry weapons and their effects: Portable flame thrower** (*Motion picture*) U. S. Dept. of the Army, 1954.

FLEAS

**Identification of some common fleas** (*Filmstrip*) U. S. Public Health Service, 1952.

—EXTERMINATION

**Rat ectoparasite control** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**Rat ectoparasite control** (*Motion picture*) U. S. Public Health Service, 1954.

FLEAS AS CARRIERS OF DISEASE

**Epidemiology of murine typhus** (*Motion picture*) U. S. Public Health Service, 1953.

FLEECE see Wool

FLIES

see also Hessian flies; Warble-flies

**Biology of domestic flies** (*Motion picture*) U. S. Public Health Service, 1952.

**Biology of domestic flies** (*Filmstrip*) U. S. Public Health Service, 1951.

**The collection of adult flies** (*Motion picture*) U. S. Public Health Service, 1949.

**The collection of adult flies** (*Filmstrip*) U. S. Public Health Service, 1949.

**Fly density surveys by the grill method** (*Motion picture*) U. S. Public Health Service, 1949.

**Fly density surveys by the grill method** (*Filmstrip*) U. S. Public Health Service, 1949.

**Insects of importance to public health in the U. S.** (*Filmstrip*) U. S. Public Health Service, 1952.

—EXTERMINATION

**Space spraying** (*Motion picture*) U. S. Public Health Service, 1954.

**Spraying equipment and procedures. Part 1: Residual spraying** (*Motion picture*) U. S. Public Health Service, 1951.

FLIES AS CARRIERS OF DISEASE

**Biology of domestic flies** (*Motion picture*) U. S. Public Health Service, 1952.

**Biology of domestic flies** (*Filmstrip*) U. S. Public Health Service, 1951.

**Community fly control operations** (*Motion picture*) U. S. Public Health Service, 1952.

**Fly control through basic sanitation** (*Motion picture*) U. S. Public Health Service, 1950.

**Sandfly control** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

FLIGHT

see also Aeronautics

—MEDICAL ASPECTS see Aviation medicine

—PHYSIOLOGICAL ASPECTS

**Physiology of high altitude flying** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Film Graphics.

FLIGHT NAVIGATORS

**Wind and the navigator: In-flight analysis** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Target within range: The key role of the USAF navigator** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

FLIGHT TESTING OF AEROPLANES see Aeroplanes—Flight testing

FLIGHT TO MARS see Space flight to Mars

FLIGHT TRACKING see Guided missiles —Tracking

FLIGHT TRAINING

see also Aeroplanes—Piloting

**Flight training: Before you fly** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Flight training: Crosswind approaches, landings, and takeoffs** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Flight training: Emergencies** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Flight training: Fundamentals of formation flying, three plane and four plane** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Flight training: Small fields** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Flight training: Takeoffs, approaches, and landings** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Flight training: The barrel roll** (*Motion picture*) U. S Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.

**Flight training: The wingover roll** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Reid H. Ray Film Industries.

**Flight training: Wingovers and chandelles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Reid H. Ray Film Industries.

**Pilots for NATO** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Primary pilot navigation** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Tomorrow we fly** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education. 1948.

FLOATING CRANES

**Crane operations: Floating cranes** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by MPO Productions.

FLOCCULATION

**A flocculation test for trichinosis** (*Filmstrip*) U. S. Public Health Service, 1956.

FLOOD CONTROL

see also Forest influences

**Birth of an era** (*Motion picture*) U. S. Army Engineers, 1954.

**Extra dividend** (*Motion picture*) U. S. Army Engineers, 1954.

**Flood fight** (*Motion picture*) U. S. Army Engineers, 1950.

**Flood fighting methods** (*Motion picture*) U. S. Army Engineers, 1959.

**Flood weather** (*Motion picture*) U. S. Weather Bureau, 1937.

**Friendly waters** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**From the mountains to the sea** (*Motion picture*) U. S. Army Engineers, 1958.

**From the ridge to the river** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**The great flood** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Harnessing a river** (*Motion picture*) U. S. Army Engineers, 1956.

**Rivers in miniature** (*Motion picture*) U. S. Army Engineers, 1954.

**Shackles for the giant** (*Motion picture*) U. S. Army Engineers, 1956.

**Waters of destiny** (*Motion picture*) U. S. Army Engineers, 1959.

FLOOD DAMS AND RESERVOIRS

**Rolled earth dams** (*Motion picture*) U. S. Army Engineers, 1950.

FLOODS

see also Forest influences; Reclamation of land; Rivers

**Friendly waters** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**From the mountains to the sea** (*Motion picture*) U. S. Army Engineers, 1958.

**The river** (*Motion picture*) U. S. Dept. of Agriculture, 1939. Made by Pare Lorentz.

FLOW OF WATER see Hydraulics

FLUID DYNAMICS

see also Aerodynamics

**Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

FLUIDS

see also Drops; Gases; Liquids

**Intravenous administration of fluids** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

FLUORIDES

**A drop in the bucket** (*Motion picture*) U. S. Public Health Service, 1952. Made by Warner Pathé.

**Fluoridation** (*Motion picture*) U. S. Public Health Service, 1952.

**Fluoridation story** (*Motion picture*) U. S. Public Health Service, 1951.

**Topical fluorides: Multiple chair procedure** (*Motion picture*) U. S. Public Health Service, 1951. Made by U. S. Dept. of Agriculture.

**Topical fluorides: Technic of application** (*Motion picture*) U. S. Public Health Service, 1949.

FLY CONTROL see Flies—Extermination

FLY DISEASE see Trypanosomiasis

FLYING see Flight

FLYING BOMBS see V-2 ROCKET

FOG

see also Smog

**Fog** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Fog and low stratus clouds** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Loucks and Norling, inc.

**Weather: Fog** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use, 1957.

FOG-SIGNALS

**Rules in fog** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

FOLK-DANCES see Dancing—Folk and national dances

FOLK-SONGS

see also Carols; National songs

**National Folk Festival, part 2** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**National Folk Festival, part 3** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

FONTANA DAM

**Fontana Dam** (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Sam Orleans Associates

FOOD

see also Diet; Farm produce; Grain; Meat; Nutrition; Poultry; Vegetables

**Food for fitness** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

—PRESERVATION

see also Canning and preserving; Food, Canned; Food, Dried; Food, Frozen; Meat—Preservation; Vegetables—Preservation

**Food sanitation. Part 4: Refrigeration and food handling** (*Filmstrip*) U. S. Public Health Service, 1954.

**Food storage** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

**Frozen-food lockers and your food supply** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

**Refrigerated food storage principles** (*Filmstrip*) U. S. Public Health Service, 1951.

**The three squares** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Canners Association, 1956.

FOOD, CANNED

**Building food sales through better merchandising** (*Motion picture*) U. S. Dept. of Agriculture, 1959. Made by Boston University.

**The three squares** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Canners Association, 1956.

FOOD, DRIED

**The preparation of dehydrated foods** (*Motion picture*) U. S. Dept. of the Army, 1953.

FOOD, FROZEN

see also Cold-storage lockers; Fruit, Frozen; Vegetables, Frozen

**Protect frozen foods from temperature damage** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Veterinary surveillance inspection of perishable subsistence** (*Filmstrip*) U. S. Dept. of the Army, 1958.

FOOD ADULTERATION AND INSPECTION

see also Meat inspection

**Environmental sanitation** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Food storage** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

**Saneamento geral** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Saneamiento del ambiente** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Veterinary surveillance inspection of perishable subsistence** (*Filmstrip*) U. S. Dept. of the Army, 1958.

FOOD CONSERVATION

**Food conservation: The dollars and sense of good eating** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Food for thought** (*Motion picture*) U. S. Dept. of Defense, 1947.

FOOD CONTAMINATION

**An outbreak of Staphylococcus intoxication** (*Motion picture*) U. S. Public Health Service, 1954.

FOOD CONTROL see Food supply

FOOD HABITS

see also Diet; Nutrition

**More and better foods from today's pay check** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

**Our food and our health** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Posters teach nutrition around the world** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

FOOD HANDLING

**Food preparation** (*Motion picture*) U. S. Public Health Service, 1954.

**Food sanitation. Part 4: Refrigeration and food handling** (*Filmstrip*) U. S. Public Health Service, 1954.

**Galley sanitation** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Hospital food service personnel training. Part 2: The individual** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Kitchen habits** (*Motion picture*) U. S. Public Health Service, 1954.

**Mercados asseiados** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Mercados higiénicos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**The sanitary market** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Shipboard inspection by medical department personnel: Food preparation** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

FOOD INDUSTRY AND TRADE

see also Farm produce; Food supply; Produce trade

**Beltsville newsreel, no. 17** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Retailing prepackaged produce** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

FOOD INSPECTION see Food adulteration and inspection

FOOD POISONING

**An outbreak of Salmonella infection** (*Motion picture*) U. S. Public Health Service, 1954.

FOOD SANITATION see Food handling

FOOD SUPPLY

see also World War, 1939-1945—Food question

**Food and soil** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Home-grown food; production, preservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

FOOD TRADE see Farm produce—Marketing; Food industry and trade; Produce trade

FOOT

**Care of the feet** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

—CARE AND HYGIENE

see also Chiropody

**Care of the feet** (*Filmstrip*) U. S. Public Health Service, 1950.

—DISEASES

**Trench foot** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

—SURGERY

see also Chiropody

**Surgical approaches to the joints of the foot** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

**Trench foot** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

FOOT-AND-MOUTH DISEASE

**Eradication of foot-and-mouth disease in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

**Healthier livestock through research** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Outbreak** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**Plum Island Animal Disease Laboratory** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

FOOT TRAILS see Trails

FOOTBALL

**Armed forces screen magazine, no. 506** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Armed Forces screen magazine, no. 580** (*Motion picture*) U. S. Dept. of Defense, 1960.

**Army-Navy football game, 1948** (*Motion picture*) U. S. Dept. of the Navy, 1948.

**Army-Navy football game, 1954** (*Motion picture*) U. S. Dept. of the Navy, 1955.

**I & E sportsreel, no. 222** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

FORCE AND ENERGY

see also Mechanics

**Liquid in motion** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

FORECASTING, WEATHER see Weather forecasting

FOREIGN RELATIONS see International relations

FOREIGN STUDENTS see Students, Foreign

FOREIGN TRADE see Commerce

FOREMEN

**Every minute counts** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

FOREMEN (Continued)

**Instructing the blind worker on the job** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

**Instructing the worker on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Introducing the new worker to his job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Maintaining good working conditions** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

**Maintaining quality standards** (*Motion picture*) U. S. Office of Education, 1944. Made bv Mode-Art Pictures.

**A new supervisor takes a look at his job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Placing the right man on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Supervising women workers** (*Motion picture*) U. S. Office of Education, 1944. Made bv Herbert Kerkow.

**Supervising workers on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**The supervisor as a leader, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**The supervisor as a leader, part 2** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Working with other supervisors** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

FOREST FAUNA

**Wildlife and the human touch** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

FOREST FIRES

**Don't let it happen** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Fire and flood** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Fire in the forest** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Forest disaster** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Smokey's flood story** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Ten thousand fires** (*Motion picture*) U. S. Tennessee Valley Authority, 1942.

**Then it happened** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**Trees take time** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Watershed wildlife** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

—PREVENTION AND CONTROL

**Alouette** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Break your match** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Building the fire line** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Camping** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Cargo retrieving** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Days of a tree** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1956.

**Dead out** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Southern States, 1948.

**Don't blame lightning** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Don't let it happen** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Fighting large fires in brush and grass** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Fire weather** (*Motion picture*) U. S. Weather Bureau, 1936.

**Flipper returns** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Forest blessings** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Forest care** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Forest fire fighting in the South** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Forest friends** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Forest smokechaser** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**The frying pan and the fire** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Grass and brush fire fighting** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**It's no picnic** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with State Foresters of the Northeastern States, 1948.

**It's up to you** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Junior ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Little Smokey** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Lonesome road** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Men, women, and children** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the State Foresters of the Northeastern States, 1954.

**A most dangerous combination** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**Old MacDonald** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Once upon a time** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Only a bunch of tools** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**Smokejumper training. Part 3: Jump training** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Smokejumpers** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**Smokey haunts Flipper** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Smokey the bear** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Smokey warns Flipper** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Snow ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Snuffy: Smokey Bear's pal** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Ten thousand fires** (*Motion picture*) U. S. Tennessee Valley Authority, 1942.

**Then it happened** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**There comes a tomorrow** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Trees** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Use of fire in slash disposal** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

**Use your ashtray** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Vision in the forest** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Water on the fire** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Woodland manners** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

FOREST INFLUENCES

see also Flood control; Forests and forestry; Rain and rainfall

**Forestry and human welfare** (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

**Lifeblood of the land** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Mountain water** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Waters of Coweeta** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

FOREST MANAGEMENT

**Easier ways of logging** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**The farm and the farm woods** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

**The greatest good** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**River run** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Timber growing today** (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Southern Educational Film Production Service.

FOREST PLANTING see Forests and forestry

FOREST PRODUCTS

see also Gums and resins; Timber; Wood

**Extra forest dollars** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Timber sales and inspection techniques** (*Motion picture*) U. S. Army Engineers, 1956.

FOREST PRODUCTS RESEARCH

**At home with wood** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

FOREST REPRODUCTION see Forests and forestry

FOREST RESERVES

see also National parks and reserves

**Everyman's empire** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**The Forest Service engineer** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Grass and cattle** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**The land changes** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**The new Alaska** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

**Rainbow Valley: The story of a forest ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Snow ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Water for the West** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

FORESTATION see Forests and forestry; Reforestation

FORESTRY ENGINEERING

see also Lumbering

**The Forest Service engineer** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Mechanized trail equipment** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

FORESTS AND FORESTRY

see also Aeronautics in forestry; Community forests; Landscape gardening; Lumbering; Reforestation; Slash (Logging); Timber; Tree breeding; Tree planting; Trees; Wood-lots

**Forestry and human welfare** (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

**Out of the woods** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Prescribed burning in the South** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**This is your forest** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

FORESTS AND FORESTRY (Continued)

**Timber sales and inspection techniques** (*Motion picture*) U. S. Army Engineers, 1956.

**Tree planting and land use** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

**Wildlife and timber** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

—SAFETY MEASURES

**Do it with E's** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—STUDY AND TEACHING

**Conservation vis[illegible]s** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

FORGING

see also Blacksmithing; Welding

**The blacksmith: Calculating and forging a deck socket wrench** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Forge welding** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Forge welding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Forging with a hand forge** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Forging with a hand forge** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Sharpening and tempering farm tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Sharpening and tempering farm tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

FORMOSA

**Formosa** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

FORRESTAL (AIRCRAFT CARRIER)

**U. S. S. Forrestal (CVA–59)** (*Motion picture*) U. S. Dept. of the Navy, 1956.

FORT BENNING, GA.

**The airborne soldier** (*Motion picture*) U. S. Dept. of the Army, 1956.

FORT CHURCHILL, MANITOBA. ROCKET FIRING BASE

**Fort Churchill: Springboard for science** (*Motion picture*) U. S. Dept. of the Army, 1960.

FORT HOOD, TEX.

—WATER-SUPPLY

**Water for Fort Hood** (*Motion picture*) U. S. Army Engineers, 1956.

FORTIN DE LAS FLORAS, MEXICO

**A town in old Mexico** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

FORUMS (DISCUSSION AND DEBATE)

**Discussion technique** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

FOUNDATIONS

see also Concrete; Dredging machinery; Earthwork; Piling (Civil engineering); Shoring and underpinning; Soil mechanics

**Foundation explorations** (*Motion picture*) U. S. Army Engineers, 1951.

**Foundations and concrete** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

FOUNDING

see also Cupola-furnaces; Metal-work; Molding (Founding); Pattern-making

**Le chargement et le fonctionnement d'un cubilot** (*Motion picture*) U. S. Office of Education, 1951.

**Charging and operating a cupola** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Charging and operating a cupola** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Préparation d'un cubilot pour le chargement** (*Motion picture*) U. S. Office of Education, 1954.

**Preparing a cupola for charging** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Preparing a cupola for charging** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

4-H CLUBS

**Blue ribbon** (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

**4–H Club work in the U. S. A.** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**The National 4–H Club Camp** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**The 1949 National 4–H Club Camp** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

**Tooling up for the job** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

**What puts a 4–H girl "in"?** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

FOURTH OF JULY CELEBRATIONS

**Independence Day, 175th anniversary** (*Motion picture*) U. S. Dept. of Defense, 1951.

FOWLS see Poultry

FRACTIONS

**Beginning algebra II, lecture 5: Fractions, fundamental operations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 7: Fractional equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 8: Fractional equations** (*Motion picture*) U. S. Dept. of Defense, 1956.

FRACTURES

see also Bones; and subdivision Fracture under particular bones, etc., e. g. Humerus—Fracture, Jaws—Fracture

**First aid for all hands: Fractures** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**First aid for fractures: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**First aid for fractures: Skull, spine, and pelvis** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**First aid for fractures: The Thomas leg splint** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.

**First aid for fractures: The triangular arm splint** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.

**First aid for fractures: The universal leg splint** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Pathescope Company of America.

**Fractures, an introduction** (*Motion picture*) U. S. Dept. of the Army, 1949.

**Open fractures** (*Motion picture*) U. S. Veterans Administration, 1959. Made by Churchill-Wexler Film Productions.

**Principles of fracture reduction** (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.

**Skeletal fixation by the Stader splint, fractures of the os calcis** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.

FRAMING (BUILDING)

**Framing: Floor joists and walls** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Framing: Hip and valley rafters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

**Framing: Rafter principles and common rafters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

FRANCE

**How to get along in France** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Introducing France** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Madeleine Films, Paris. Released in the United States by U. S. Dept. of State, 1956.

**This is France** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

—COLONIES

**American history I, lecture 2: The English colonies dominate North America** (*Motion picture*) U. S. Dept. of Defense, 1956.

FRANK WIGGINS TRADE SCHOOL, LOS ANGELES see Los Angeles. Trade and Technical College

FRANKLIN (AIRCRAFT CARRIER)

**Saga of the USS Franklin** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by General Film Productions Corp.

FREEDOM see Liberty

FREEDOM OF SPEECH see Liberty of speech

FREEDOM OF THE PRESS see Liberty of the press

FREEZING see Ice; Refrigeration and refrigerating machinery

FREIGHT AND FREIGHTAGE

see also Motor-truck terminals

**Trailer 201** (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

FREQUENCY MODULATION, RADIO see Radio frequency modulation

FRICTION

see also Aerodynamic heating; Lubrication and lubricants

**Lubrication** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.

**Principles of dry friction** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

**Principles of dry friction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

FRICTION CLUTCHES see Clutches (Machinery)

FRIEDREICH'S DISEASE

**Hereditary ataxia** (*Motion picture*) U. S. Dept. of the Army, 1949.

FRIENDS, SOCIETY OF. AMERICAN FRIENDS SERVICE COMMITTEE

**Education for peace** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

FRONTIER AND PIONEER LIFE

see also Ranch life

**American history I, lecture 17: Pioneers settle the last frontier** (*Motion picture*) U. S. Dept. of Defense, 1956.

FROZEN FOOD see Food, Frozen

FROZEN-FOOD LOCKERS see Cold-storage lockers

FROZEN FRUIT see Fruit, Frozen

FROZEN VEGETABLES see Vegetables, Frozen

FRUIT

see also Tropical fruit

**Selection of fruits and vegetables** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—DISEASES AND PESTS

**Diseases of fruits** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

—PRESERVATION

**Maintaining garden freshness in fruits and vegetables** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

FRUIT, FROZEN

**Freezing strawberries and peaches** (*Filmstrip*) U. S. Dept. of Agricultre, 1953.

FRUIT-CULTURE

**Wild fruits for soil conservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

FRUIT JUICES

**Beltsville newsreel, no. 14** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

FUEL, LIQUID see Liquid fuels

FUEL PUMPS

see also Automobiles—Fuel systems

**Cooper Bessemer diesel engine fuel system** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Terrytoon. Released for public educational use through U. S. Office of Education, 1948.

**Diesel engine fuel systems** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

**Fuel feed systems** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Fuel pump disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Fuel pump reconditioning and reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reconditioning the fuel pump** (*Motion picture*) U. S. Dept of the Navy, 1945. Made by Jam Handy Organization Released for public educational use through U. S. Office of Education, 1948.

FUNCTIONS

**Periodic functions** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.

FUNCTIONS, TRIGONOMETRICAL see Trigonometric functions

FUNGI, PATHOGENIC

see also Medical mycology; Rusts (Fungi)

**Cutaneous infections** (*Filmstrip*) U. S. Public Health Service, 1951.

**A mycological slide culture technique** (*Filmstrip*) U. S. Public Health Service, 1951.

**Subcutaneous infections** (*Filmstrip*) U. S. Public Health Service, 1951.

**Superficial infections** (*Filmstrip*) U. S. Public Health Service, 1951.

**Systemic infections** (*Filmstrip*) U. S. Public Health Service, 1951.

FUNGI IN AGRICULTURE

see also Plant diseases

**The nature of plant diseases** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of West Virginia University, 1939.

FUNGOUS DISEASES see Medical mycology

FUSION REACTIONS, CONTROLLED see Controlled fusion

## G

GAGES

see also Pressure-gages

**Fixed gages** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

**Fixed gages** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Fuel level gages** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

**Gage blocks and accessories** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Gage blocks and accessories** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Height gages and test indicators** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

**Height gages and test indicators** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Inspection of threads** (*Motion picture*) U. S. Office of Education, 1944. Made bv Jamieson Film Co.

**Inspection of threads** (*Filmstrip*) U. S. Office of Education, 1944. Made bv Jamieson Film Co.

**Measurement with light waves** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

**Measurement with light waves** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

**Precision gage blocks** (*Motion picture*) U. S. Office of Education, 1945. Made bv Ted Nemeth Studios.

**Precision gage blocks** (*Filmstrip*) U. S. Office of Education, 1945. Made bv Ted Nemeth Studios.

GALES see Winds

GALL-BLADDER

**Embryology of the liver, gallbladder, and pancreas** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

—RADIOGRAPHY

**Operative cholangiography** (*Motion picture*) U. S. Veterans Administration, 1955.

GALL-DUCTS see Bile-ducts

GALVANIC BATTERIES see Electric batteries

GAME PROTECTION

see also Birds, Protection of; Wild life, Conservation of

**Realm of the wild** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

GAMES, OLYMPIC see Olympic games

GAMES OF STRATEGY (MATHEMATICS)

**Simulogs** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

GAMMA RAYS

**The Argonne gamma irradiation facility** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

GANGLIA, NERVOUS see Nerves

GANGLIONIC NERVOUS SYSTEM see Nervous system, Sympathetic

GANGRENE

**Microorganisms of gas gangrene** (*Motion picture*) U. S. Public Health Service, 1954.

GARBAGE see Refuse and refuse disposal

GARDEN ARCHITECTURE see Landscape gardening

GARDENING

see also Agricultural pests; Fruit-culture; Fungi in agriculture; Landscape gardening; Mulching; Vegetable gardening

**E facil comer bem** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Es fácil comer bien** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Gardening cartoons: A dozen "don'ts" for gardeners** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

**Grow your own** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Home grown plants for transplanting** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**The new gardener** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of North Carolina Extension Service, 1943.

**Planning for good eating** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Planting seeds indoors** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

GARRISON DAM

**Garrison Dam and reservoir project** (*Motion picture*) U. S. Armv Engineers, 1949.

**Garrison on the Missouri** (*Motion picture*) U. S. Army Engineers, 1949.

**Garrison safe-guards** (*Motion picture*) U. S. Army Engineers, 1952.

**Garrison takes shape** (*Motion picture*) U. S. Army Engineers, 1951.

GAS AND OIL ENGINES

see also Aeroplanes—Motors; Diesel motor; Fuel pumps; Jet propulsion

**Better small engines** (*Motion picture*) U. S. Army Engineers, 1957.

**The four stroke cycle internal combustion engine, part 1** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

**The four stroke cycle internal combustion engine, part 2** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

**The internal combustion engine: Principles of operation** (*Motion picture*) U. S. Army Air Forces, 1944.

**Multiple cylinder engines** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

**The story of a spark plug** (*Motion picture*) U. S. Bureau of Mines in cooperation with Champion Spark Plug Co., 1949.

—COOLING

**Cooling system** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

—IGNITION

see also Magneto

**Automotive electricity for military vehicles. Part 4: The ignition circuit** (*Motion picture*) U. S. Dept. of the Army, 1957.

GAS AND OIL ENGINES
—IGNITION (Continued)

**Effect of air flow on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

**Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1933.

**High-speed photographs of autoignition and knock in a spark-ignition reciprocating engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1936.

**The ignition system** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Slow-motion study of fuel injection and combustion in a Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

**Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1940.

**Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.

**Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1934.

**A study of combustion in a spark-ignition engine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1938.

—MAINTENANCE AND REPAIR

**Replacing oil cooler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

GAS MASKS

**ABC warfare defense ashore: Biological warfare decontamination; personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

**ABC warfare defense ashore: Chemical warfare decontamination; personnel** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Caravel Films.

GAS-TURBINES

see also Aeroplanes—Turbine-propeller engines; Aeroplanes—Turbojet engines; Marine gas-turbines

**Marine gas turbine engines, principles of operation** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Academy Productions. Released for public educational use through U. S. Office of Education, 1953.

GAS WELDING see Oxyacetylene welding and cutting

GASES

**Principles of liquids and gases** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—ANALYSIS

**Flue gas analysis (Orsat apparatus)** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

**Flue gas analysis (Orsat apparatus)** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

GASES, ASPHYXIATING AND POISONOUS

see also Asphyxia; Carbon dioxide

**Nerve gases. Part 1: Field recognition and self-aid procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Operation of industrial hygiene survey equipment: Toxic and combustible gas detectors** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

GASOLINE

**The story of gasoline** (*Motion picture*) U. S. Bureau of Mines in cooperation with the Standard Oil Co. (Indiana) 1958.

GASOLINE ENGINES see Gas and oil engines

GASTROSTOMY see Stomach—Surgery

GASTROTOMY see Abdomen—Surgery

GEAR-HOBBING MACHINES

**Hobbing a helical gear: Two cuts, nondifferential method** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a helical gear, two cuts; nondifferential method** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a spur gear. Part 1: Setting up the change gears** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a spur gear. Part 1: Setting up the change gears** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a spur gear. Part 2: Setting up and hobbing the work** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a spur gear. Part 2: Setting up and hobbing the work** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a square tooth spline shaft** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a square tooth spline shaft** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a worm gear: Infeed method** (*Motion picture*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

**Hobbing a worm gear: Infeed method** (*Filmstrip*) U. S. Office of Education, 1945. Made by Emerson Yorke Studio.

GEARING

see also Automobiles—Steering gear; Clutches (Machinery); Couplings; Gear-hobbing machines

**Grader, motorized, caterpillar no. 12: Adjustment of the bevel gear and pinion** (*Motion picture*) U. S. Dept. of the Army, 1957.

**The oil gear hydraulic traversing mechanism, principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**Planetary gears, principles of operation. Part 1: Single sets** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Planetary gears, principles of operation. Part 2: Multiple sets** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Principles of gearing: An introduction** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Principles of gearing: An introduction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

GEIGER-MÜLLER COUNTERS

**Practical procedures of measurement** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

GENERATION see Reproduction

GENERATIVE ORGANS, MALE

**Anatomy and physiology: The male reproductive system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

GENERATORS, ELECTRIC see Dynamos

GENITO-URINARY ORGANS

—SURGERY

**Repair of recto-urethral fistula** (*Motion picture*) U. S. Dept. of the Army, 1947.

GEODESY

see also Azimuth; Geographical positions; Gravity; Surveying; Triangulation

**Activities of the U. S. Coast and Geodetic Survey** (*Motion picture*) U. S. Coast and Geodetic Survey, 1953.

GEOGRAPHICAL POSITIONS

**Elementary dead reckoning. Part 1: Earth's surface** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

GEOMAGNETISM see Magnetism, Terrestrial

GEOMETRY, DESCRIPTIVE

**Descriptive geometry: Finding the line of intersection of two solids** (*Motion picture*) U. S. Dept. of the Navy, 1947. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1950.

GEOPHYSICAL PROSPECTING see Prospecting—Geophysical methods

GEOPOLITICS

see also World politics

**Evaluating a nation** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

GEORGIA PINE see Longleaf pine

GERM THEORY OF DISEASE

see also Bacteriology

**Cleanliness brings health** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Defense against invasion** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Defesa contra invasão** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**La enfermedad se propaga** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**How disease travels** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**O que e a doença?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Que es enfermedad?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Transmissão das doenças** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**La vacuna; o, Defensa contra la invasión** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**What is disease?** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Produced by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

GERM WARFARE see Biological warfare

GERMAN REFUGEES see Refugees, German

GERMANY

**Assignment Germany** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Germany** (*Motion picture*) U. S. Dept. of Defense, 1950.

**Introducing Germany** (*Motion picture*) North Atlantic Treaty Organization, 1957. Released in the United States by U. S. Dept. of State, 1958.

**Let us live** (*Motion picture*) U. S. Dept. of State, 1953. Released for educational use in the United States through U. S. Office of Education.

**MP highway patrol in Germany** (*Motion picture*) U. S. Dept. of the Army, 1953.

GERMANY (Continued)

**The Nazis strike** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1943, and through U. S. Office of Education, 1949.

**Operation thunderbolt** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

**U. S. forces in Europe** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.

GERMS see Bacteria; Bacteriology; Germ theory of disease

GERONTOLOGY see Aged

GESTATION see Pregnancy

GIBBERELLIC ACID

**Beltsville newsreel, no. 12** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

GILBERT ISLANDS

**Marshall, Gilbert, and Ellice Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

GIPSY-MOTH

**Gypsy moth** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

GLASS

**Glass fractures** (*Filmstrip*) U. S. Dept. of the Army, 1955.

GLASS, OPTICAL

**Beveling, grooving, and rounding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Fine grinding and polishing** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

**Optical inspection methods, part 1** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

**Rough grinding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Rough grinding with a curvature generator** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Rough grinding with a vertical surface grinder** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

GLASSWARE

**Asian artists in crystal** (*Motion picture*) U. S. Information Agency, 1956. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1957.

GLOBULIN

**Introduction to the fluorescent treponemal antibody test** (*Motion picture*) U. S. Public Health Service, 1959.

GOLD ALLOYS

**The casting of dental gold alloys: Thermal expansion technique** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1951.

GOLDEN RULE

**The Golden rule** (*Motion picture*) U. S. Dept. of the Army, 1960.

GONORRHEA

**Message to women** (*Motion picture*) U. S. Public Health Service, 1945. Made by Hugh Harmon Productions.

GOUGES (WOODWORKING) see Chisels

GOVERNMENT AEROPLANES see Aeroplanes, Military

GOVERNMENT CONTRACTS see Public contracts

GOVERNMENT EMPLOYEES see Civil service

GOVERNMENT REGULATION OF COMMERCE see Industry and state

GOVERNORS (MACHINERY)

**BMEP** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Basic hydraulic governor** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Diesel engine governors. Part 1: Woodward governors** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

**Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1944.

**Powerhead** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Speed drop** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Why engines are governed** (*Motion picture*) U. S. Dept. of the Army, 1955.

GRADERS (EARTHMOVING MACHINERY)

**Grader, motorized, caterpillar no. 12: Adjustment of the bevel gear and pinion** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Grader, motorized, caterpillar no. 12: Adjustment of the main flywheel clutch** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Grader, motorized, caterpillar no. 12: Before operation services** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Grader, motorized, caterpillar no. 12: Starting and stopping procedures** (*Motion picture*) U. S. Dept. of the Army, 1957.

GRAFTING OF SKIN see Skin-grafting

GRAIN

—DISEASES AND PESTS

**Diseases of cereals** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

**Stem rust** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Stem rust** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—STORAGE

**Grain sanitation (Filmstrip)** U. S. Dept. of Agriculture, 1954.

GRAND COULEE DAM

**Columbia frontier** (*Motion picture*) U. S. Bureau of Reclamation, 1953. Made by U. S. Dept. of Agriculture.

GRAPEFRUIT

**Juiced for you** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

GRAPHIC ALGEBRA see Algebra—Graphic methods

GRAPHIC METHODS

**Making the march graph** (*Filmstrip*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

GRASSES

see also Grazing; Hay; Pastures

**Beltsville newsreel, no. 18** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Better seeds for better grasslands** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Grass** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Grass: The big story** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Harvesting native grass seed** (*Motion picture*) U. S. Dept. of Agriculture, 1943.

**Preventing wind erosion on the Great Plains: Planting grasses** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Rebuilding with grass** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

GRASSHOPPERS see Locusts

GRATITUDE

**Gratitude: Thanks to whom?** (*Motion picture*) U. S. Dept. of the Army, 1958.

GRAVES, MILITARY see Soldiers' bodies, Disposition of

GRAVITY

**The gyroscope and gravitation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

—PHYSIOLOGICAL EFFECT

**The ABC of G** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Associated Screen News. Released for public educational use through U. S. Office of Education, 1948.

**"G" and you** (*Motion picture*) U. S. Navy Dept., 1943. Made by Associated Screen News.

GRAVITY, SPECIFIC see Specific gravity

GRAZING

see also Pastures; Stock-ranges

**Richer range rewards** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

GREASE see Lubrication and lubricants; Oils and fats

GREAT BRITAIN

**Introducing the United Kingdom** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by World Mirror Productions, Beaconsfield, Eng. Released in the United States by U. S. Dept. of State, 1956.

**You in Great Britain** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

—COLONIES

**American history 1, lecture 2: The English colonies dominate North America** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history 1, lecture 4: England's American policy leads to revolt** (*Motion picture*) U. S. Dept. of Defense, 1956.

GT. BRIT. ARMY. 10th CORPS

**Sicily to Naples** (*Motion picture*) U. S. Dept. of the Army, 1946. Released for public educational use through U. S. Office of Education, 1949.

GT. BRIT. ROYAL AIR FORCE

**The battle of Britain** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1943, and through U. S. Office of Education, 1949.

GREECE, MODERN

**Greece** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Introducing Greece** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State, 1956.

GRINDING AND POLISHING

see also Sand-blast

**Beveling, grooving, and rounding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Fine grinding and polishing** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

**Rough grinding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Rough grinding with a curvature generator** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Rough grinding with a vertical surface grinder** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

GRINDING MACHINES

**Endfeed grinding a tapered pin** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Endfeed grinding a tapered pin** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Grinding a deep hole** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a deep hole** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a parallel bar. Part 1: Setting up the machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a parallel bar. Part 1: Setting up the machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a parallel bar. Part 2: Grinding operations** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a parallel bar. Part 2: Grinding operations** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a plain pin. Part 2: Grinding operations** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a plain pin. Part 2: Grinding operations** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a slender shaft with back rest** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a slender shaft with back rest** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a straight hole** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a straight hole** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a taper** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a taper** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding a template** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a template** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a V block** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding a V block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding and facing a blind hole** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding and facing a blind hole** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Grinding multiple-point carbide tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Grinding multiple-point carbide tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Grinding single-point carbide tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Grinding single-point carbide tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Grinding thin discs** (*Motion picture*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Grinding thin discs** (*Filmstrip*) U. S. Office of Education, 1945. Made by Worcester Film Corp.

**Infeed grinding a shaft of two diameters** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Infeed grinding a shaft of two diameters** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Infeed grinding shouldered work** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Infeed grinding shouldered work** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Plunge cut grinding** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Plunge cut grinding** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a form relieved cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a form relieved cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a plain helical milling cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a shell end mill** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a shell end mill** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a side milling cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening a side milling cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening an angular cutter** (*Motion picture*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Sharpening an angular cutter** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Thrufeed grinding a straight pin, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Thrufeed grinding a straight pin, part 1** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

GRINDING WHEELS

**Grinding a plain pin. Part 1: The grinding wheel** (*Motion picture*) U. S. Office of Education, 1944. Produced by Emerson Yorke Studio.

**Grinding a plain pin. Part 1: The grinding wheel** (*Filmstrip*) U. S. Office of Education, 1944. Made by Emerson Yorke Studio.

**Thrufeed grinding a straight pin, part 2** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Thrufeed grinding a straight pin, part 2** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

GRIPPE see Influenza

GRITTI'S AMPUTATION see Amputations of leg

GROCERY TRADE

**Retailing fish** (*Motion picture*) U. S. Fish and Wildlife Service, 1948. Made by Sun Dial Films.

GROUND CONTROLLED APPROACH

**Ground controlled approach equipment: Alignment of AN/CPN-4A** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Ground controlled approach equipment: Siting** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

GROUP DISCUSSION see Discussion; Forums (Discussion and debate)

GROUP DYNAMICS see Social groups

GROUP PSYCHOTHERAPY

**Mind in the making** (*Motion picture*) U. S. Veterans Administration, 1960.

GROWLER (SUBMARINE)

**The Growler story** (*Motion picture*) U. S. Dept. of the Navy, 1958.

GUADALAJARA, MEXICO

**Guadalajara** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

GUADALCANAL (AIRCRAFT CARRIER)

**Away boarders** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.

GUAGES see Gages

GUIDANCE, VOCATIONAL see Vocational guidance

GUIDED MISSILES

see also Ballistic missiles; Nike rocket; V-2 rocket

**Aerobee** (*Motion picture*) U. S. Dept. of Defense, 1951.

**The Air Force missile mission** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**Animals in rocket flight** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Challenge of outer space** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Count down** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Guided missiles** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Holloman: Frontier of the future** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Missile recovery** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Missiles of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Signals for missiles** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Terrier, the new fleet weapon** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Transportation of missiles** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**VT bomb and rocket fuses** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

—TESTING

**Countdown at White Sands** (*Motion picture*) U. S. Dept. of the Army, 1960.

**What goes up------** (*Motion picture*) U. S. Dept. of the Army, 1960.

—TRACKING

**From flight to facts** (*Motion picture*) U. S. Dept. of the Army, 1960.

GULF INTRACOASTAL WATERWAY see Intracoastal Waterway—Gulf section

GUMS AND RESINS

**Denture resin** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1949.

GUN-CARRIAGES

**Fundamentals of artillery weapons. Part 2: Types and components of carriage** (*Motion picture*) U. S. War Dept., 1944.

GUNNERY

see also Aerial gunnery; Artillery; Ballistics; Firearms; Naval gunnery; Rifle practice; Shooting, Military

**Field artillery sight tests and adjustments** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

GUNS see Firearms; Rifles

GUNSHOT WOUNDS

**Extensive wound of right buttock: Delayed closure on 4th day** (*Motion picture*) U. S. Dept. of the Navy, 1954.

GYPSY-MOTH see Gipsy-moth

GYRO COMPASS

**The compass system** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

**The gyro becomes a compass** (*Motion picture*) U. S. Navy Dept., 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**The gyroscope and gravitation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

GYROSCOPE

see also Stability of aeroplanes; Stability of helicopters

**The gyro becomes a compass** (*Motion picture*) U. S. Navy Dept., 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**The gyroscope and gravitation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1947.

# H

HABITS OF ANIMALS see Animals, Habits and behavior of

HACKSAWS

**Care and use of hand tools. Part 3: Hacksaws** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

HALIBUT FISHERIES

**Pacific halibut fishing** (*Motion picture*) U. S. Fish and Wildlife Service, 1949.

HAMMERS

**Hammers** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

HAMPTON ROADS

—HARBOR

**Deep waters** (*Motion picture*) U. S. Army Engineers, 1949.

HAND

—FRACTURE

**Fractures about the wrist and hand** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

—SURGERY

**Plastic and reconstruction surgery of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

**Plastic surgery of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Wound of left hand, debridement and closure** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Wounds of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

HAND-TO-HAND FIGHTING see Fighting, Hand-to-hand

HANDICAPPED

—REHABILITATION see Vocational rehabilitation

HANDICRAFT

see also Models and modelmaking; Occupational therapy

**Army crafts program** (*Filmstrip*) U. S. Dept. of the Army, 1953.

**Colonial home industries** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. National Museum, 1939.

**Shipbuilders of Essex** (*Motion picture*) U. S. Dept. of State, 1949. Made by Joseph Krumgold. Released for educational use in the United States through U. S. Office of Education, 1950.

HANDLING OF FOOD see Food handling

HANDLING OF MATERIALS see Materials handling

HANSEN'S DISEASE see Leprosy

HARBOR DEFENSES see Coast defenses

HARBORS

see also Docks; Piers

**Guard against sabotage** (*Motion picture*) U. S. Coast Guard, 1955. Made by Campus Film Productions.

HARDNESS

—TESTING

**Hardness testing: Rockwell** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Hardness testing: Rockwell** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

HARVESTING MACHINERY

see also Mowing-machines

**Agricultural engineering—the profession with a future** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.

HAWAII. UNIVERSITY, HONOLULU. CHOIR

**The Hawaii University choir in Japan** (*Motion picture*) U. S. Information Agency, 1959. Released for public educational use in the United States through U. S. Office of Education, 1959.

HAY

see also Alfalfa; Grasses

**Hay is what you make it** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

HEAD

see also Brain; Face; Jaws; Mouth; Skull

**Masseter, temporal muscles and temporal fascia** (*Motion picture*) U. S. Veterans Administration, 1950.

—SURGERY

see also Brain—Surgery; Skull—Surgery

**Head injury, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Missile wound of head, debridement and closure** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Missile wound of head: Debridement, closure, and result 3 weeks later** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**The preparation and insertion of tantalum plate** (*Motion picture*) U. S. War Dept., 1946.

—WOUNDS AND INJURIES

**Head injury, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

HEALTH see Hygiene

HEALTH EDUCATION

**Cancer education** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Media Productions. Released for public educational use through U. S. Office of Education, 1950.

HEALTH OF INFANTS see Infants—Care and Hygiene

HEALTH OF WOMEN see Women—Health and hygiene

HEALTH OF WORKERS see Industrial hygiene

HEALTH SURVEYS

**Venereal disease and tuberculosis survey in Georgia** (*Filmstrip*) U. S. Public Health Service, 1948.

HEARING

—TESTING see Audiometry

HEART

see also Pulse

—DISEASES

see also Pericarditis; Rheumatic heart disease

**Care of the cardiac patient** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the cardiac patient** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

—EXAMINATION

**Experimental diving unit: Evaluation of physical fitness by one step-up test** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

—FOREIGN BODIES

**Foreign bodies in the pericardium and heart** (*Motion picture*) U. S. War Dept., 1946.

—SURGERY

**Pericardiectomy for chronic constrictive pericarditis** (*Motion picture*) U. S. Veterans Administration, 1957.

HEAT

see also Aerodynamic heating; Cold; Combustion; Fire; Steam; Thermometers and thermometry

**Heat and its control** (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

—PHYSIOLOGICAL EFFECT

see also Heatstroke

**General effects of heat on man** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

**Heat disorders: General effects of heat on man** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Heat disorders: Heat exhaustion, heat stroke, and cramps** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Prevention of heat casualties** (*Motion picture*) U. S. Navy Dept., 1950. Made by Gilbert Altschul Productions.

HEAT

—PHYSIOLOGICAL EFFECT (Continued)

**Therapeutic uses of heat and cold. Part 1: Administering hot applications** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Therapeutic uses of heat and cold. Part 1: Administering hot applications** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

HEAT BARRIER see Aerodynamic heating

HEAT RESISTANT ALLOYS

**High temperature materials** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

HEAT TREATMENT OF STEEL see Steel—Heat treatment

HEATSTROKE

**First aid for heat stroke and heat exhaustion** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Herbert Kerkow.

**Heat disorders: Heat exhaustion, heat stroke, and cramps** (*Motion picture*) U. S. Dept. of the Army, 1952.

HEEL FLIES see Warble-flies

HEIGHTS see Altitudes

HELICIDAE see Snails

HELICOPTERS

see also Automatic pilot (Helicopters); Convertiplanes; Jet helicopters; Rotors (Helicopters)

**Advanced helicopter flight principles, part 1** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Advanced helicopter flight principles, part 2** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Armed Forces screen magazine, no. 503** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

**Basic helicopter flight principles** (*Motion picture*) U. S. Dept. of the Army, 1956.

**From ships of the sky** (*Motion picture*) U. S. Dept. of the Navy, 1955.

**Ground handling of aircraft. Part 2: Rotary wing aircraft** (*Motion picture*) U. S. Dept. of the Army, 1957.

**The helicopter as an aid in Alaska surveys** (*Motion picture*) U. S. Geological Survey, 1952.

**Helicopter: Emergency procedures. Part 1: Blade stalls** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter maintenance. Part 1: Helicopter power plants** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Helicopter maintenance. Part 2: Transmissions and free wheeling units** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Helicopter maintenance. Part 3: Introduction to power trains** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Helicopter orientation: Introduction to helicopters** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Helicopter orientation: Introduction to rotary wing flight** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

**Helicopter orientation: Operation of the single main rotor helicopter** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

**Helicopter orientation: The basic anatomy of the helicopter** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

**Helicopter post flight inspection: The H-34** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Helicopter rescue at sea** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Helicopter special delivery** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Helicopter weight and balance** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Landbased helicopter operations: Functions** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.

**The Marine Corps and the helicopter** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

**Military use of the helicopter** (*Motion picture*) U. S. Dept. of Defense, 1952.

**Shipboard helicopter operations: Functions** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.

**The story of the helicopter** (*Motion picture*) U. S. Army Air Forces, 1944.

—HANDLING CHARACTERISTICS

**Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

—MAINTENANCE AND REPAIR

**Maintaining the HLT training type helicopter: Rotor systems and related controls** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Maintaining the HUP service type helicopter: Rotor systems and related controls** (*Motion picture*) U. S. Dept. of the Navy, 1952.

—MODELS—TESTING

**Ground vibration tests of the XH-17 dynamic helicopter model** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

—PILOTING

**Advanced helicopter flight training. Part 1: Confined area operations** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Basic helicopter flight training. Part 1: Pilot's pre-flight inspection** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Helicopter: Arctic operations** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Helicopter: Emergency procedures. Part 2: Emergency procedures in the H-13** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter: Emergency procedures. Part 3: Emergency procedures in the H-19** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter: Emergency procedures. Part 4: Emergency procedures in the H-21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter: Mountain operations** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Intermediate helicopter flight training. Part 1: Take-off and flight procedures** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Intermediate helicopter flight training. Part 2: Autorotations** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Landbased helicopter operations: Precautions** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.

**Primary helicopters flight training. Part 2: Primary flight maneuvers** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Shipboard helicopter operations: Landing and take-offs** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Princeton Film Center.

—STABILITY see Stability of helicopters

HEMIPLEGIA see Paralysis

HEMORRHAGE

**Control of hemorrhage** (*Motion picture*) U. S. Dept. of the Army, 1958.

**First aid for all hands: Bleeding** (*Motion picture*) U. S. Dept. of the Navy, 1959.

HEMORRHAGIC FEVER

**Hemorrhagic fever: Clinical features** (*Motion picture*) U. S. Dept. of the Army, 1955.

HEMOSTASIS see Hemorrhage

HENS see Poultry

HERBAGE see Grasses

HERBICIDE

**Beltsville newsreel, no. 1** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Beltsville newsreel, no. 2** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

HEREDITARY ATAXIA see Friedreich's disease

HERNIA

**Transthoracic repair of sliding hiatal hernia** (*Motion picture*) U. S. Veterans Administration, 1955.

HEROISM see Courage

HERTZIAN WAVES see Radio waves

HESSIAN FLIES

**The Hessian fly and its control** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

HIGH ALTITUDE ROCKET RESEARCH see Atmosphere, Upper—Rocket observations

HIGH-ALTITUDE SUITS see Pressure suits

HIGH-FREQUENCY RADIO see Radio, Short wave

HIGH-SPEED AERONAUTICS

see also Aeroplanes—Jet propulsion; Rockets (Aeronautics)

**NACA high-speed flight research station** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

HIGH TEMPERATURE METALS see Heat resistant alloys

HIGHWAY ACCIDENTS see Traffic accidents

HIGHWAY DRAINAGE see Road drainage

HIGHWAY ENGINEERING see Road construction

HIGHWAY PATROLS see Traffic police

HIGHWAY POST OFFICES

**Men and mail in transit** (*Motion picture*) U. S. Post Office Dept., 1956. Made by U. S. Dept. of Agriculture.

HIGHWAY SAFETY see Traffic safety

HIGHWAY TRANSPORTATION see Transportation, Automotive

HIP JOINT

—SURGERY

**Surgical approaches to the hip joint** (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.

HIROSHIMA

**The atom strikes** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

HISTOLOGY, PATHOLOGICAL

**Histopatholgical technique: Processing a gross specimen** (*Motion picture*) U. S. Dept. of the Navy, 1954.

HISTORY, MODERN

—20th CENTURY

**Prelude to war** (*Motion picture*) U. S. War Dept., 1942. Released for public use through U. S. Office of War Information, Domestic Branch, 1945; and through U. S. Office of Education, 1949.

**The significant years** (*Motion picture*) U. S. Dept. of Defense, 1960.

HISTORY, MODERN
—20th CENTURY (Continued)

**War comes to America** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**The world at war** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

HOBBIES

**Creative leisure** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

HOG CHOLERA

**Hog cholera [and] African swine fever: A comparison** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

HOG HOUSES see Swine houses and equipment

HOGS see Swine

HOISTING MACHINERY

see also Conveying machinery; Cranes, derricks, etc.; Windlasses; Wire-rope transportation

**ABC warfare defense ashore: Rescue operations; lifting devices, shoring** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

**Expedients** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

**Safe practices in the hoisting of material** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

HOLLAND see Netherlands

HOLLOMAN AIR FORCE BASE MISSILE TEST CENTER see U.S. Air Force Missile Development Center, Holloman Air Force Base, N.M.

HOME DEMONSTRATION WORK

**Home demonstration membership studies** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

HOME ECONOMICS

see also Consumer education; Dishwashing; Food; Household pests; Laundry; Marketing (Home economics)

**For a bright home life** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Homemaking in colonial days** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**Measuring home management** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with Michigan State College, 1950.

**Step by step in everday tasks** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Washington State Extension Service, 1944.

—EQUIPMENT AND SUPPLIES

**A step-saving kitchen** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**A step-saving U kitchen** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

HOME STUDY COURSES see Correspondence schools and courses

HONEY

see also Bee culture; Bees

**Beltsville newsreel, no. 15** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**First lessons in beekeeping** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

HOOKWORM DISEASE

**Hookworm disease and hookworm infection** (*Filmstrip*) U. S. Public Health Service, 1948.

**The problem of hookworm infection** (*Motion picture*) U. S. Public Health Service, 1954.

HOOKWORMS

**Ancylostoma caninum in the intestine of the dog** (*Motion picture*) U. S. Public Health Service, 1952.

**Infective larvae of ancylostoma caninum** (*Motion picture*) U. S. Public Health Service, 1952.

**The problem of hookworm infection** (*Motion picture*) U. S. Public Health Service, 1954.

HOOVER DAM

**Hoover Dam** (*Motion picture*) U. S. Bureau of Reclamation, 1937.

**Hoover Dam** (*Motion picture*) U. S. Dept. of State, 1949. Made by Simmel-Meservey. Released for educational use in the United States through U. S. Office of Education, 1950.

HORSE SENSE see Common sense

HORSE TRAILS see Trails

HORSEMANSHIP

**Horse sense** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

HORSES

**Horse sense** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

HORSESHOEING

**Horseshoeing** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Horseshoeing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

HOSPITAL HOUSEKEEPING

**"Dusty": How to wage war on dust** (*Filmstrip*) U. S. Veterans Administration, 1956.

**"Moppy": New methods for easier mopping** (*Filmstrip*) U. S. Veterans Administration, 1956.

**"Sweepy": A message of sweeping importance** (*Filmstrip*) U. S. Veterans Administration, 1956.

**"Waxey": Tips on the fine art of waxing** (*Filmstrip*) U. S. Veterans Administration, 1956.

HOSPITAL SOCIAL WORK see Medical social work

HOSPITALS

see also Clinics; Medicine, Clinical; Nurses and nursing

**Another light** (*Motion picture*) U. S. Public Health Service, 1952. Made by Film Documents.

**The hospital of tomorrow** (*Filmstrip*) U. S. Public Health Service, 1948.

—ADMINISTRATION

**Construction of the Little Rock Veterans Administration Hospital, part 2** (*Motion picture*) U. S. Army Engineers, 1951.

—CONSTRUCTION

**Construction of the Little Rock Veterans Administration Hospital, part 1** (*Motion picture*) U. S. Army Engineers, 1951.

—FOOD SERVICE

**Hospital food service personnel training. Part 4: Serving food** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

—HYGIENE

**Hospital food service personnel training. Part 2: The individual** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Hospital food service personnel training. Part 3: Equipment** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Hospital sanitation** (*Motion picture*) U. S. Dept. of the Army, 1951.

—STAFF

**The hospital ward team** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Rx attitude** (*Motion picture*) U. S. Veterans Administration, 1952.

HOSPITALS, MILITARY

see also First aid in illness and injury

**The evacuation hospital** (*Motion picture*) U. S. War Dept., 1945.

**Evacuation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Evacuation of the wounded** (*Motion picture*) U. S. War Dept., 1944.

**General hospital** (*Motion picture*) U. S. War Dept., 1945.

**Operating room procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Polaris Pictures.

**Within the town** (*Motion picture*) U. S. Veterans Administration, 1952.

HOURS (TIME) see Time

HOUSE FITTINGS see Building fittings

HOUSE-FLIES see Flies

HOUSE PAINTING

**Repainting a frame building** (*Motion picture*) U. S. Office of Educati[illegible]4. Made by Calvin Co.

**Repainting [illegible]me building** (*Filmstrip*) U. S. Office of Education, [illegible]44. Made by Calvin Co.

HOUSEHOLD MANAGEMENT see Home economics

HOUSEHOLD PESTS

**DDT in the control of household insects** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Domestic vector control by basic sanitation** (*Filmstrip*) U. S. Public Health Service, 1958.

HOUSEHOLD SANITATION see Sanitation, Household

HOUSEHOLD UTENSILS see Kitchen utensils

HOUSEKEEPING see Home economics

HOUSES see Dwellings

HOUSING

**Housing in Chile** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**When work is done** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

—FINANCE

**Home buying** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

HOWITZERS

**155 mm. howitzer: Glamour Gal** (*Motion picture*) U. S. Marine Corps, 1946.

HULLS (NAVAL ARCHITECTURE)

see also Planing hulls

**Bending oak techniques** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Eastern Sound Studios. Released for public educational use through U. S. Office of Education, 1950.

HULMECAS see Olmecs

HUMAN ANATOMY see Anatomy, Human

HUMAN RELATIONS see Interpersonal relations

HUMERUS

—FRACTURE

**Fractures of the humerus** (*Motion picture*) U. S. Veterans Administration, 1953. Made by Churchill-Wexler Film Productions.

HUNGARIAN REFUGEES see Refugees, Hungarian

HUNGARIANS IN THE U.S.

**Immigrants** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

HUNGARY

**Hungarian fight for freedom** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.

**A nation in torment** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1957.

**Revolt of a generation** (*Motion picture*) U. S. Information Agency, 1956. Made by Hearst Metrotone News.

HURRICANES

see also Cyclones

**Hurricane circuit** (*Motion picture*) U. S. Dept. of State, 1949. Made by Knickerbocker Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

**Hurricane hunters** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Hurricane hunters** (*Motion picture*) U. S. Dept. of the Navy, 195[illegible].

**Hurricane watch** (*Motion picture*) U. S. Weather Bureau, 1956. Made by U. S. Dept. of Agriculture.

**Operation Hurricane** (*Motion picture*) U. S. Weather Bureau, 1955.

HYDRAULIC BRAKES

**Hydraulic brakes: Principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

HYDRAULIC ENGINEERING

see also Boring; Drainage; Flood control; Irrigation; Reclamation of land; Water-supply engineering; Wells

**By their deeds** (*Motion picture*) U. S. Bureau of Reclamation, 1957.

**Restless river** (*Motion picture*) U. S. Army Engineers, 1957.

HYDRAULIC JACKS

**Simple hydraulic systems** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

HYDRAULIC MACHINERY

see also Aeroplanes—Hydraulic equipment; Hydraulic brakes; Oil hydraulic machinery; Pumping machinery; Turbines

**Hydraulic steering, principles of operation** (*Motion picture*) U. S. Dept. of the Army, 1956.

HYDRAULIC MODELS

**Problem at Port Washington** (*Motion picture*) U. S. Army Engineers, 1951.

**Rivers in miniature** (*Motion picture*) U. S. Army Engineers, 1954.

**Speaking of models** (*Motion picture*) U. S. Army Engineers, 1958.

HYDRAULIC PRESSES

**Forming with rubber on the hydraulic press** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Forming with rubber on the hydraulic press** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

HYDRAULIC TRANSMISSION see Oil hydraulic machinery

HYDRAULICS

see also Fire extinction

**Application of Pascal's law, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

**Application of Pascal's law, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

**Basic hydraulics** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of Adel Products Corp., 1945. Released for public educational use through U. S. Office of Education, 1948.

**Characteristics of hydraulic fluids** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released through U. S. Civil Aeronautics Administration, 1947.

**Derivation of Pascal's law, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

**Derivation of Pascal's law, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

**Fluid flow in hydraulic systems** (*Motion picture*) U. S. Dept. of the Navy, with the cooperation of Adel Products Corp., 1944. Released for public educational use through U. S. Office of Education, 1951.

**Four experiments in hydraulics** (*Motion picture*) U. S. National Bureau of Standards, 1953.

**Liquid in motion** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Simple hydraulic systems** (*Motion picture*) U. S. Navy Dept., 1944. Made by Audio Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

HYDROCORTISONE see Cortisone

HYDROFOILS see Planing hulls

HYDROGEN BOMB

see also Atomic bomb; Radioactive fallout

**Operation Ivy** (*Motion picture*) U. S. Dept. of the Air Force, 1954. Released for public use by U. S. Federal Civil Defense Administration.

HYDROGRAPHIC CHARTS see Nautical charts

HYDROGRAPHIC SURVEYING

see also Navigation

**Establishing primary survey control points** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.

**Hydrography for charting: Position fixing** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

**Secondary survey, control points, and hydrographic developments** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Byron. Released for public educational use through U. S. Office of Education, 1951.

HYDROGRAPHY

see also Drags (Hydrography); Harbors; Hydrographic surveying; Inland navigation; Ocean currents; Rivers; Sounding and soundings; Tides

**Activities of the U. S. Coast and Geodetic Survey** (*Motion picture*) U. S. Coast and Geodetic Survey, 1953.

HYDROPHOBIA see Rabies

HYDROTHERAPY

**Hydrotherapy** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Hydrotherapy** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Hydrotherapy procedures for the neuropsychiatric patient** (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.

HYGIENE

see also Baths; Callisthenics; Diet; Exercise; Food; Infants—Care and hygiene; Mental hygiene; Military hygiene; Naval hygiene; Physiology; Sanitation; Tropics—Diseases and hygiene; Water—Pollution; Woman—Health and hygiene

**Air Force industrial medicine in action** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**The bluejacket's personal hygiene** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by March of Time. Released for public educational use through U. S. Office of Education, 1948.

**Cleanliness brings health** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Disease and personal hygiene** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

—STUDY AND TEACHING see Health education

HYGIENE, DENTAL see Teeth—Care and hygiene

HYGIENE, INDUSTRIAL see Industrial hygiene

HYGIENE, PUBLIC

see also Communicable diseases; Epidemics; Food adulteration and inspection; Hospitals; Industrial hygiene; Meat inspection; Medicine, Preventive; Noise; Public health laboratories; Public health nursing; Quarantine; Refuse and refuse disposal; Sanitary engineering; Sanitation; Sewage disposal; Ships—Sanitation; Swimming pools; Vaccination; Water—Polution; Water-supply

**El centro de salubridad** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Clean water makes good health** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**Concrete ditching for malaria control** (*Motion picture*) U. S. Public Health Service, 1949.

**A drop in the bucket** (*Motion picture*) U. S. Public Health Service, 1952. Made by Warner Pathé.

**Dynamite** (*Motion picture*) U. S. Public Health Service, 1944.

**La enfermedad se propaga** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Environmental sanitation** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Fluoridation** (*Motion picture*) U. S. Public Health Service, 1952.

**Fluoridation story** (*Motion picture*) U. S. Public Health Service, 1951.

**How disease travels** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Hydraulic dredging** (*Motion picture*) U. S. Public Health Service, 1947.

**Journey into medicine** (*Motion picture*) U. S. Dept. of State, 1947. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education and U. S. Public Health Service, 1949.

**Mercados asseiados** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Mercados higiénicos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

HYGIENE, PUBLIC (Continued)

**Pole drainage** (*Motion picture*) U. S. Public Health Service, 1946.

**A policlínica da sua cidade** (*Motion picture*) U. S. Institute of Inter-American Affairs. 1947. Made by Apex Film Corp.

**Public health problems in mass evacuation** (*Motion picture*) U. S. Public Health Service, 1957.

**Saneamento geral** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Saneamiento del ambiente** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**The sanitary market** (*Motion picture*) U. S. Institute of Inter-American Affairs. 1947. Made by Apex Film Corp.

**The setting of endemic schistosomiasis in Puerto Rico** (*Motion picture*) U. S. Public Health Service, 1948.

**Transmissão das doenças** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Your health center** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

HYGIENE, SEXUAL

see also Sexual ethics; Venereal diseases

**To be held in honor** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Universal Productions. Released for public educational use through U. S. Office of Education, 1951.

HYGIENE, TROPICAL see Tropics—Diseases and hygiene

HYPOCHLORINATORS

**Operation of hypochlorinators** (*Filmstrip*) U. S. Public Health Service, 1957.

HYPODERMIC INJECTIONS see Injections, Hypodermic

HYPSOMETRY see Altitudes—Measurement

HYSTERECTOMY

**Cesarean hysterectomy (Porro)** (*Motion picture*) U. S. Dept. of the Army, 1952.

HYSTERIA

see also Nervous system—Diseases

**A clinical picture of anxiety hysteria** (*Motion picture*) U. S. Veterans Administration, 1952.

## I

ICE

see also Building, Ice and snow; Icebergs; Transportation, Military—Cold weather conditions

**Ice formation on aircraft** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

—ARCTIC REGIONS

**Ice cap drilling** (*Motion picture*) U. S. Army Engineers, 1958.

**Icecap, II** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Operations in sea ice: Identification of sea ice** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Ships, men, and ice** (*Motion picture*) U. S. Dept. of the Navy, 1953.

ICE-BREAKING VESSELS

**Armed forces screen magazine, no. 506** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Coast Guard icebreakers** (*Motion picture*) U. S. Coast Guard, 1958.

**Cruising the northern seas** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Ice breaker** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Ships, men, and ice** (*Motion picture*) U. S. Dept. of the Navy, 1953

ICE CORING RIGS

**Ice cap drilling** (*Motion picture*) U. S. Army Engineers, 1958.

ICE-MACHINERY see Refrigeration and refrigerating machinery

ICE ON AEROPLANES see Aeroplanes—Ice prevention

ICE SEAMANSHIP see Seamanship—Cold weather conditions

ICEBERGS

see also International ice patrol

**Operations in sea ice: Identification of sea ice** (*Motion picture*) U. S. Dept. of the Navy, 1953.

ICELAND

**Iceland** (*Motion picture*) U. S. Dept. of Defense, 1954.

**Introducing Iceland** (*Motion picture*) North Atlantic Treaty Organization, 1955. Released in the United States by U. S. Dept. of State, 1956.

IDAHO

**Idaho and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with the Richfield Oil Corp., 1956. Made by Norman Wright Productions.

IGLOOS

**Arctic igloo** (*Motion picture*) U. S. Dept. of Defense, 1948.

**Construction of Arctic igloo** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

IGNITION DEVICES see Automobiles—Ignition Gas and oil engines—Ignition; Magneto; Spark-plugs

ILLINOIS WATERWAY

**Illinois waterway** (*Motion picture*) U. S. Army Engineers, 1950.

ILLITERACY

**Out of the darkness** (*Motion picture*) U. S. Dept. of State 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

ILLUMINATION see Lighting

ILLUSTRATION OF BOOKS

**Armed Forces screen magazine, no. 545** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

IMMUNITY

see also Antigens and antibodies; Communicable diseases; Vaccination

**Military immunization: General procedures** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

IMPEDANCE (ELECTRICITY)

see also Electric resistance; Reactance (Electricity)

**RCL** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

**RCL** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films.

IMPORTS see Commerce

IN-SERVICE TRAINING see Employees, Training of

INDIAN CORN see Maize

INDIANA. BALL STATE TEACHERS COLLEGE, MUNCIE

**Preparation of teachers** (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

INDIANS OF MEXICO

**Jungle quest for the great stone heads** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Pátzcuaro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

INDICATORS FOR STEAM-ENGINES

**Steam engine indicator** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

INDOCHINA

**An introduction to Indo-China** (*Filmstrip*) U. S. Public Health Service, 1951.

INDONESIA

**A house, a wife, and a singing bird** (*Motion picture*) U. S. Information Agency, 1957. Released for public educational use in the United States through U. S. Office of Education.

INDUCTANCE

see also Reactance (Electricity)

**Basic electricity: Inductance in AC circuits** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Inductance** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Inductance** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

INDUSTRIAL ACCIDENTS

see also Electricity, injuries from

**Safety in the shop** (*Motion picture*) U. S. Office of Education, 1944. Made by Century Productions.

**To live in darkness** (*Motion picture*) U. S. Navy Dept., 1944. Made by Twentieth Century-Fox. Released for public educational use through U. S. Office of Education, 1947.

INDUSTRIAL EDUCATION see Technical education

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL FILMS see Moving-pictures in industry

INDUSTRIAL HYGIENE

**Industrial hygiene and safety: Breathe and live** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, inc.

**Operation of industrial hygiene survey equipment: Relative humidity, temperature, and air pressure instruments** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**A plant health program** (*Filmstrip*) U. S. Public Health Service, 1955.

—INSTRUMENTS

**Operation of industrial hygiene survey equipment: Toxic and combustible gas detectors** (*Motion picture*) U. S. Dept. of the Air Force, 1957

INDUSTRIAL MANAGEMENT

see also Efficiency, Industrial; Foremen; Materials handling; Office management; Personnel management; Shipment of goods

**The engineered performance standards program** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by MPO Productions.

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL MUSEUMS

**Museum of Science and Industry** (*Motion picture*) U. S. Dept. of State, 1948. Made by Herbert Kerkow Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

INDUSTRIAL PLANT PROTECTION see Factories—Protection

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SECURITY MEASURES see Industry—Security measures

INDUSTRIES, CHEMICAL see Chemical industries

INDUSTRY

see also Employees' representation in management; Moving-pictures in industry

—SECURITY MEASURES

**Civilian guard services** (*Motion picture*) U. S. Dept. of the Army, 1959.

INDUSTRY AND STATE

see also Agriculture and state

**American history II, lecture 4: The role of government in the economic life of the country** (*Motion picture*) U. S. Dept. of Defense, 1956.

INERTIA, MOMENTS OF see Moments of inertia

INFANTS

—CARE AND HYGIENE

**Care of the newborn baby: The nurse's role in instructing the parents** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

**Care of the newborn baby: The nurse's role in instructing the parents** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

**Como cuidar da criança** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Conselhos para as mães** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

INFANTS

—CARE AND HYGIENE (Continued)

**Cuidado de la madre** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**El cuidado del niño** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Infant care** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Wise parents, healthy babies** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

—NUTRITION

**Como cuidar da criança** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**El cuidado del niño** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Infant care** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

INFECTIOUS DISEASES see Communicable diseases

INFIRMARIES see Hospitals

INFLUENZA

**The epidemiology of influenza** (*Motion picture*) U. S. Public Health Service, 1950.

—DIAGNOSIS

**Techniques of laboratory diagnosis of influenza** (*Motion picture*) U. S. Public Health Service, 1960.

INJECTIONS, HYPODERMIC

**Technique and sites for subcutaneous and intramuscular injections** (*Filmstrip*) U. S. Dept. of the Army, 1954.

INJECTIONS, INTRAVENOUS

**Intravenous administration of fluids** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

INJECTIONS, SUBCUTANEOUS see Injections, Hypodermic

INJECTORS

**General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**General Motors diesel engine unit injectors: Maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Injection nozzle** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Injector block reconditioning and reassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Injector block removal and disassembly** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Injector block replacement and timing** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Reassembly. Part 2: Head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Removal of injection nozzles** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public education use through U. S. Office of Education, 1948.

**Replacement of injection nozzles** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

INJURIES see Accidents; First aid in illness and injury; Wounds

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INJURIOUS INSECTS see Insects, Injurious and beneficial

INLAND NAVIGATION

see also Rivers; Towing

**Big river** (*Motion picture*) U. S. Army Engineers, 1953.

**Flood weather** (*Motion picture*) U. S. Weather Bureau, 1937.

INSANITY, HYSTERICAL see Hysteria

INSECT TRAPS

**The collection of adult flies** (*Motion picture*) U. S. Public Health Service, 1949.

**The collection of adult flies** (*Filmstrip*) U. S. Public Health Service, 1949.

**Fly density surveys by the grill method** (*Motion picture*) U. S. Public Health Service, 1949.

**Fly density surveys by the grill method** (*Filmstrip*) U. S. Public Health Service, 1949.

INSECTICIDES

see also Spraying

**The use of aircraft for insect control. Part 1: Mosquito control** (*Motion picture*) U. S. Public Health Service, 1949.

INSECTS

see also Ants; Larvae

—ANATOMY

**Insects, their growth and structure** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.
44 fr., b&w, 35 mm.
Order no. 309.
With lecture notes.
*Summary:* Shows by drawings the types and kinds of insects, their external and internal anatomy and life cycles.
*Buy from* PhotoLab.

—COLLECTION AND PRESERVATION

**The collection and shipment of insects** (*Filmstrip*) U. S. Public Health Service. 1957.

—DEVELOPMENT

**Insects, their growth and structure** (*Filmstrip*) U. S. Dept. of Agriculture. 1936.

INSECTS, INJURIOUS AND BENEFICIAL

see also Household pests; Insecticides

**Como exterminar os insectos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**DDT in the control of household insects** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Exterminación de las plagas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Insect enemies** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**New techniques for rearing blood-sucking insects** (*Filmstrip*) U. S. Public Health Service, 1951.

INSECTS AS CARRIERS OF DISEASE

see also Fleas as carriers of disease; Lice as carriers of disease; Mosquitoes

**Experimental malaria transmission** (*Motion picture*) U. S. Public Health Service, 1946.

INSECTS AS CARRIERS OF PLANT DISEASES

**Grain sanitation (Filmstrip)** U. S. Dept. of Agriculture, 1954.

INSOMNIA

see also Narcotics

**Insomnia** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

INSTITUTE FOR CHILD STUDY, UNIVERSITY OF MARYLAND see Maryland. University. Institute for Child Study

INSTRUCTION see Education; Teaching

INSTRUMENT FLYING

**Analysis of maneuvers, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Analysis of maneuvers using instruments** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Flight through instruments: Basic instrument flying** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Polaris Pictures.

**Flight through instruments: Enroute procedures** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.

**Flight through instruments: Terminal procedures** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Polaris Pictures.

**Instrument flight rules** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Orientation: The 90 degree method** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio navigation: Bracketing an unknown beam** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Weather control during instrument flight, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Weather control during instrument flight, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

INSTRUMENT LANDING SYSTEMS

see also Ground controlled approach

**Helicopter instrument flight and precision maneuvers as affected by changes in damping in roll, pitch, and yaw** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**ILS: Instrument landing system** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

INSTRUMENTS, AERONAUTICAL, [DENTAL, NAUTICAL, ETC.] see Aeronautical instruments, [Dental instruments and apparatus, Nautical instruments, etc.]

INSTRUMENTS OF WAR see Munitions

INSULATION (HEAT)

see also Mineral wool; Steam-pipe coverings

**Covering hot and cold pipes** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Covering hot and cold pipes** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Heat and its control** (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

**The story of rock-wool home insulation** (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

INSULIN

**Insulin and its use** (*Filmstrip*) U. S. Public Health Service, 1950.

INSULIN (Continued)

**Insulin reaction** (*Filmstrip*) U. S. Public Health Service, 1950.

INSURANCE, AGRICULTURAL

—CROPS

**The big gamble** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

INSURANCE, SOCIAL

**Looking ahead** (*Motion picture*) U. S. Social Security Administration, 1952. Produced by U. S. Dept. of Agriculture.

**Sam'l and social security** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Creative Arts Studio.

**They need to know** (*Motion picture*) U. S. Social Security Administration, 1954. Made by U. S. Dept. of Agriculture.

INTEGRITY see Self-respect

INTELLECTUAL PROPERTY see Inventions; Patents

INTER-AMERICAN RELATIONS see Pan-Americanism

INTERCHANGE OF STUDENTS see Students, Interchange of

INTERIOR NAVIGATION see Inland navigation

INTERMITTENT FEVER see Malarial fever

INTERNAL COMBUSTION ENGINES see Gas and oil engines

INTERNAL SECURITY

**Guard against sabotage** (*Motion picture*) U. S. Coast Guard, 1955. Made by Campus Film Productions.

INTERNATIONAL ARBITRATION see Arbitration, International

INTERNATIONAL COOPERATION

see also Agriculture, Cooperative; Arbitration, International; International Geophysical Year, 1957-1958; International organization; Reconstruction (1914-1939); Reconstruction (1939-1951)

**Education for peace** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

**Problems of peace in the Americas** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Road to peace** (*Motion picture* ) U. S. Dept. of the Army, 1951. Made by Bill Sturm Studios. Released for public educational use through U. S. Office of Education, 1952.

INTERNATIONAL CORRESPONDENCE

**Letter to a friend** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

INTERNATIONAL EXCHANGE OF STUDENTS see Students, Interchange of

INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958

see also Project Vanguard

**The Explorer in space** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Frontier beyond the sky** (*Motion picture*) U. S. Dept. of the Army, 1960.

**In which we live** (*Motion picture*) U. S. Information Agency, 1958. Made by Atlas Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Operation Deepfreeze I** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**Space pioneer** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

INTERNATIONAL HOUSE, NEW YORK see New York, International House

INTERNATIONAL ICE PATROL

**International ice patrol** (*Motion picture*) U. S. Dept. of State, 1949. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

INTERNATIONAL ORGANIZATION

see also Security, International; World politics

**Defense of the Western Hemisphere** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

INTERNATIONAL RELATIONS

see also Arbitration, International; Geopolitics; International cooperation; International organization; Monroe doctrine; Peace; Reconstruction (1914-1939); Reconstruction (1939-1951); Refugees, Political; Security, International; World politics

**Alliance for peace** (*Motion picture*) SHAPE, 1952. Released for public use in the United States through U. S. Dept. of Defense and U. S. Office of Education, 1952.

**Will for peace** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

INTERNATIONAL RELIEF

see also Disaster relief; Refugees, Political

**The CARE story** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by MPO Productions. Released for public educational use through U. S. Office of Education, 1950.

INTERNMENT CAMPS see Concentration camps

INTERPERSONAL RELATIONS

**If I were you** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

INTERPOLATION

**Beginning algebra II, lecture 11: Numerical trigonometry** (*Motion picture*) U. S. Dept. of Defense, 1956.

INTERROGATION see Questioning

INTERVERTEBRAL DISK

—HERNIA

**Sciatic pain and the intervertebral disk** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

—SURGERY

**Sciatic pain and the intervertebral disk** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

INTERVIEWING

see also Counseling; Questioning

**An approach to understanding dynamics** (*Motion picture*) U. S. Veterans Administration, 1950.

**A clinical picture of anxiety hysteria** (*Motion picture*) U. S. Veterans Administration, 1952.

**A clinical picture of claustrophobia** (*Motion picture*) U. S. Veterans Administration, 1952.

**The difficult ones. Part 1: Psychiatric problems met by the contact representative** (*Filmstrip*) U. S. Veterans Administration, 1946.

**The difficult ones. Part 2: Their effect on the contact representatives** (*Filmstrip*) U. S. Veterans Administration, 1946.

**The difficult ones. Part 3: Getting help for the veterans with emotional problems** (*Filmstrip*) U. S. Veterans Administration, 1946.

**Interviewing principles and techniques** (*Motion picture*) U. S. Dept. of the Navy, 1951.

**Non-verbal communication** (*Motion picture*) U. S. Veterans Administration, 1952.

**Psychotherapeutic interviewing: Introduction** (*Motion picture*) U. S. Veterans Administration, 1950.

**Psychotherapeutic interviewing: Method of procedure** (*Motion picture*) U. S. Veterans Administration, 1950.

**Working for better public health through recognition of feelings** (*Motion picture*) U. S. Public Health Service, 1953.

INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

INTESTINAL IRRIGATION see Enema

INTESTINES

see also Colon (Anatomy); Peritoneum

—DISEASES

see also Dysentery

**Life cycle of endamoeba histolytica in dysenteric and non-dysenteric amoebiasis** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

INTRACOASTAL WATERWAY

**Inside passage** (*Motion picture*) U. S. Army Engineers, 1949.

—GULF SECTION

**Protected passage** (*Motion picture*) U. S. Army Engineers, 1953.

INVENTIONS

see also Patents; Research, Industrial

**Patents and Air Force research and development** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

INVENTORY CONTROL see Stores or stockroom keeping

IOWA. UNIVERSITY

**Freedom to learn** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

IRAN

**Strategic Iran** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

IRON MINES AND MINING

**The drama of steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Inland Steel Co., 1946.

IRON ORES

**Lake carrier** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

IRONING see Laundry

IRRIGATION

see also Dams; Reservoirs; Water-storage

**Irrigating the electric way** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

**Irrigation, lifeblood of the West** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Irrigation practices** (*Motion picture*) University of Nebraska and U. S. Bureau of Reclamation, 1957. Made by University of Nebraska.

**Irrigue a terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Lost river** (*Motion picture*) U. S. Bureau of Reclamation, 1952. Made by U. S. Dept. of Agriculture.

**Mosquito prevention in irrigated areas** (*Motion picture*) U. S. Public Health Service, 1955.

IRRIGATION (Continued)

**Mosquito problems in irrigated areas** (*Filmstrip*) U. S. Public Health Service, 1953.

**Regando la tierra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Water on the land** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

IRRIGATION CANALS AND FLUMES

**Weed control on irrigation systems** (*Motion picture*) U. S. Bureau of Reclamation, 1952.

ISLAMIC CENTER see Washington, D. C. Islamic Center

ISLANDS OF LANGERHANS see Pancreas

ISOGONIC LINES see Magnetism, Terrestrial

ISOPTERA see Termites

ISOTOPE SEPARATION

**Gaseous diffusion** (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by U. S. Dept. of the Air Force.

**The Portsmouth story** (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

ISOTOPIC INDICATORS see Radioactive tracers

ITALY

**Brief on Italy** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Introducing Italy** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

**Italy** (*Motion picture*) U. S. Dept. of Defense, 1951.

ITCH see Scabies

IWO JIMA, BATTLE OF, 1945

**Armed Forces screen magazine, no. 507** (*Motion picture*) U. S. Dept. of Defense, 1953.

**155 mm. howitzer: Glamour Gal** (*Motion picture*) U. S. Marine Corps, 1946.

**To the shores of Iwo Jima** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Warner Bros.

**Uncommon valor** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**What price Iwo** (*Motion picture*) U. S. Navy Dept., 1946. Made by Byron, inc.

IXODIDAE see Ticks

## J

JACKS, HYDRAULIC see Hydraulic jacks

JACKSON, ANDREW, PRES. U.S., 1767-1845

**American history I, lecture 10: Andrew Jackson dominates the political scene** (*Motion picture*) U. S. Dept. of Defense, 1956.

JADE

**Treasure trove of jade** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

JAIL-FEVER see Typhus fever

JAMESTOWN FESTIVAL, 1957

**International naval review** (*Motion picture*) U. S. Dept. of the Navy, 1958.

JAPAN

**Impressions of Japan** (*Motion picture*) U. S. Information Agency, 1956. Released for public educational use in the United States through U. S. Office of Education, 1957.

**Japan** (*Motion picture*) U. S. Dept. of Defense, 1951.

**New eyes and new ears** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

**We, the Japanese people** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

**You in Japan** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

—COMMERCE

**Japanese trade fair** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

JAPANESE ARTISTS see Artists, Japanese

JAPANESE BEETLE

**The Japanese beetle** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

JAPANESE IN THE U.S.

**Japanese relocation** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

JAPANESE RIVER FEVER see Tsutsugamushi disease

JAVA

**Java** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

JAWS

**Submandibular and submental triangle** (*Motion picture*) U. S. Veterans Administration, 1957.

—DISEASES—DIAGNOSIS

**Intra-oral dental periapical radiographic techniques—maxillary and mandibular periapical examination** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—FRACTURE

**Intramaxillary multiple loop wiring in treatment of jaw fractures** (*Motion picture*) U. S. Dept. of the Army, 1951.

**Treatment of jaw fractures** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Various methods of fixation for the control of fractured jaws** (*Motion picture*) U. S. Veterans Administration, 1958.

—SURGERY

**Combined resection of tongue and floor of mouth with radical neck dissection** (*Motion picture*) U. S. Veterans Administration, 1953.

**Construction of screw lock sectional splint** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Hemimandibulectomy and immediate restoration with acrylic implant** (*Motion picture*) U. S. Veterans Administration, 1954.

**Mandibular prognathism** (*Motion picture*) U. S. Veterans Administration, 1956.

**Radical resection of the maxilla with early prosthetic restoration** (*Motion picture*) U. S. Veterans Administration, 1955.

**Reconstruction of the lower lip and chin** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Resection of mandible for amelobiastoma** (*Motion picture*) U. S. Veterans Administration, 1955.

**Wounds of the face and jaw** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

—TUMORS

**Resection of mandible for ameloblastoma** (*Motion picture*) U. S. Veterans Administration, 1955.

JAWS, ARTIFICIAL

**Hemimandibulectomy and immediate restoration with acrylic implant** (*Motion picture*) U. S. Veterans Administration, 1954.

JEEPS see Automobiles, Military; Motortrucks

JEFFERSON, THOMAS, PRES. U.S., 1743-1826

**Thomas Jefferson, the farmer** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

JET HELICOPTERS

**Ground vibration tests of the XH-17 dynamic helicopter model** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

JET PLANES

see also Jet transports

**24 hour alert** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—FLIGHT TESTING

**Jet test** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by Audio Productions.

—MOTORS see Aeroplanes—Turbojet engines

JET PLANES, MILITARY

**Jet fighter gunnery. Part 1: Air to ground** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Jets aboard: Operation of jet aircraft aboard carriers** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.

JET PROPULSION

see also Aeroplanes—Jet propulsion; Rockets (Aeronautics); Rockets (Ordnance)

**The jet assisted take-off of carrier aircraft** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

JET STREAM

**Wind and the navigator: Jet streams** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

JET TRANSPORTS

**Ditching investigation of a jet transport with various engine installations, part 1** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

JIGS AND FIXTURES

**Assembling in a jig: Drilling and riveting** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Drilling and riveting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Fitting and lining up** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Fitting and lining up** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling with portable drill motors** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling with portable drill motors** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Pipe fabrication with jigs** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Pipe fabrication with jigs** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

JITNEY BUSES see Motor buses

JIU-JITSU

**Armed Forces screen magazine, no. 507** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Combative measures: Judo** (*Motion picture*) U. S. Dept. of the Aid Force, 1955.

JOB ANALYSIS

**Classification in a nutshell** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

JOB ANALYSIS (Continued)

**The flow process chart and how to use it** (*Motion picture*) U. S. Office of Scientific Research and Development, 1945. Released for public educational use through U. S. Library of Congress, 1947, and U. S. Office of Education, 1951.

**The job breakdown** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**Learning by doing** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.

**Stop, look, and question** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

JOB DISCRIMINATION see Discrimination in employment

JOHN H. KERR DAM

**Titan in concrete** (*Motion picture*) U. S. Army Engineers, 1955.

JOINERY

see also Woodwork

**Beveling, stop chamfering, and tapering square stock** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Beveling, stop chamfering, and tapering square stock** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Face planing uneven surfaces** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Jointing edges and ends 90 degrees to face** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

JOINT CHIEFS OF STAFF see U. S. Joint Chiefs of Staff

JOINT CIVILIAN ORIENTATION CONFERENCE

**Provide for the common defense** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

JOINTER (WOODWORKING MACHINE)

**Biseau, chanfrein arrête et effilage progressif d'une pièce carrée** (*Motion picture*) U. S. Office of Education, 1951.

**Corroyage de surfaces inégales** (*Motion picture*) U. S. Office of Education, 1951.

**Dégauchissage d'un champ pour le collage: Installation des couteaux** (*Motion picture*) U. S. Office of Education, 1951.

**Dégauchissage des champs et extrémités d'équerre avec la face** (*Motion picture*) U. S. Office of Education, 1951.

**Face planing uneven surfaces** (*Motion picture*) U. S. Office of Education, 1945. Made bv R. C. M. Productions.

**Jointing an edge for gluing: Installing knives** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Jointing an edge for gluing: Installing knives** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Jointing edges and ends 90 degrees to face** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

JOURNALISM, AGRICULTURAL

**A job for you in agricultural journalism** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

JOURNALISM AS A PROFESSION

**A job for you in agricultural journalism** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

JOURNALS (MACHINERY) see Bearings (Machinery)

JOURNEYS see Voyages and travels

JUDGE ADVOCATES

**The most rewarding law** (*Motion picture*) U. S. Dept. of the Army, 1960.

JUDO see Jiu-jitsu

## K

K M A G see U. S. Military Advisory Group to the Republic of Korea

KAPAUN RETREAT HOUSE see Oiso, Japan. Kapaun Retreat House

KATAYAMA DISEASE see Schistosomiasis

KELOTOMY see Hernia

KENNAN, GEORGE FROST, 1904-

**George Kennan discusses communism on the Armed Forces Forum** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

KENTUCKY DAM

**Kentucky Dam** (*Motion picture*) U. S. Tennessee Valley Authority, 1948. Made by Sam Orleans Associates.

KHAPRA BEETLE

**Eradicating the Khapra beetle** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

KIDNEYS

see also Urinary organs; Urine

—SURGERY

**Nephroureterectomy** (*Motion picture*) U. S. Dept. of the Army, 1960.

KILAUEA

**The 1955 eruption of Kilauea** (*Motion picture*) U. S. Geological Survey, 1958.

KILOGRAM see Standards of mass

KINGMAN, DONG, 1911-

**The scroll** (*Motion picture*) U. S. Information Agency, 1956. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1957.

KITCHEN-GARDENS see Vegetable gardening

KITCHEN-MIDDENS

**Shell mounds in the Tennessee Valley** (*Motion picture*) U. S. Tennessee Valley Authority, 1937.

KITCHEN UTENSILS

see also Dishwashing machines

**Hospital food service personnel training. Part 3: Equipment** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Pots and pans for your kitchen** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

KITCHENS

**Basic principles of kitchen layout** (*Filmstrip*) U. S. Public Health Service, 1953.

**Beltsville energy saving kitchen workroom** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

**Energy saving kitchen** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**A step-saving kitchen** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**A step-saving U kitchen** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

KLYSTRONS

**Microwave oscillators** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

KNEE

—AMPUTATION see Amputations of leg

—FRACTURE

**Fractures about the knee** (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

—SURGERY

**Surgical approaches to the knee joint** (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.

KNEE JERK see Reflexes

KNEIPP CURE see Hydrotherapy

KNOTS AND SPLICES

**Bending to a cleat** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Bending to a cleat** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The bowline** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The bowline** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Cable splicing. Part 1: The five-tuck navy splice** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Cable splicing. Part 2: The Roebling roll splice** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Clap a stopper on a line** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Clap a stopper on a line** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The clove hitch** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The clove hitch** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Double carrick bend** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Double carrick bend** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**French bowline** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**French bowline** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Making a five tuck splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a five tuck splice** (*Filmstrip*) U. S. Office of Education, 1944. Made bv Brav Studios.

**Making a wrapped and soldered splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a wrapped and soldered splice** (*Filmstrip*) U. S. Office of Education, 1944. Made by Brav Studios.

**The sheet bend** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The sheet bend** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The square knot** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**The square knot** (*Filmstrip*) U. S. Coast Guard, 1941. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

KNOTS AND SPLICES (Continued)

**Two half hitches and a round turn** (*Motion picture*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Two half hitches and a round turn** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Use and care of fiber rope** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

**Use and care of wire rope** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Useful knots** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1943.

**Wire rope terminal connections** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

KOCH'S LYMPH see Tuberculin

KODAKS see Cameras

KOREA

**The crime of Korea** (*Motion picture*) U. S. Dept. of Defense, 1950.

**Korea today** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.

KOREA (REPUBLIC) ARMY

**KMAG and the ROK soldier** (*Motion picture*) U. S. Dept. of the Army, 1954.

KOREAN MILITARY ADVISORY GROUP see U. S. Military Advisory Group to the Republic of Korea

KOREAN WAR, 1950-1953

**The Air Force story: Korea, the final phase** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**The Air Force story: Meeting the Red challenge** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The Air Force story: On to the Yalu, June 1950** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Armed Forces screen magazine, no. 507** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Armed Forces screen magazine, no. 508** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Battle for time** (*Motion picture*) U. S. Dept. of Defense, 1950.

**Carrier action off Korea** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Chinese reds enter war** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Civil assistance in Korea** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Command of the seas: Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**The crime of Korea** (*Motion picture*) U. S. Dept. of Defense, 1950.

**Ethiopia in the free world** (*Motion picture*) U. S. Dept. of State, 1951. Made by Telenews Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

**Fire: Artillery action in Korea** (*Motion picture*) U. S. Dept. of the Army, 1952.

**The first forty days** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Floating fortress** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Homecoming airlift** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Korea story** (*Motion picture*) U. S. Information Agency, 1953. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Korean cease fire talks** (*Motion picture*) U. S. Dept. of Defense, 1951.

**A motion picture history of the Korean War** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**Operation Inchon** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Our stand in Korea** (*Motion picture*) U. S. Dept. of Defense, 1950.

**Reds launch spring offensive** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Report of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Stalemate in Korea** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Thunder from the skies** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

**Turning the tide** (*Motion picture*) U. S. Dept. of Defense, 1950.

**UN counterattack** (*Motion picture*) U. S. Dept. of Defense, 1951.

**UN forces consolidate below 38th parallel** (*Motion picture*) U. S. Dept. of Defense, 1951.

**UN forces cross the 38th parallel** (*Motion picture*) U. S. Dept. of Defense, 1951.

**UN forces escape trap** (*Motion picture*) U. S. Dept. of Defense, 1951.

**UN forces move north** (*Motion picture*) U. S. Dept. of Defense, 1951.

**UN offensive** (*Motion picture*) U. S. Dept. of Defense, 1950.

**UN offensive continues** (*Motion picture*) U. S. Dept. of Defense, 1951.

**United Nations campaign in northeast Korea** (*Motion picture*) U. S. Dept. of the Army, 1952.

**With the Marines: Chosin to Hungnam** (*Motion picture*) U. S. Dept. of the Navy, 1951.

**Your Air Force in action** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

KYANIZING see Wood—Preservation

## L

LABELS

**Packaging and packing: Marking** (*Filmstrip*) U. S. Dept. of the Army, 1959.

LABOR AND LABORING CLASSES

see also Apprentices; Discrimination in employment; Employees' representation in management; Migrant labor

**An American portrait** (*Motion picture*) U. S. Dept. of State, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

—ACCIDENTS see Industrial accidents

LABOR ORGANIZATIONS see Trade-unions

LABORATORIES, AERONAUTICAL see Aeronautical laboratories

LABORATORY ANIMALS

**Animals for research** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Care of laboratory animals** (*Filmstrip*) U. S. Public Health Service, 1953.

**Using animals in the laboratory** (*Filmstrip*) U. S. Public Health Service, 1953.

LAMINATED WOOD see Plywood

LAMPREYS

**Great Lakes Invader: The sea lamprey** (*Motion picture*) U. S. Fish and Wildlife Service, 1953.

LAND

see also Burning of land; Clearing of land; Farms; Reclamation of land

**Farm to fit your land** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Our magic land** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the U. S. Dept. of the Interior and the Boy Scouts of America, 1957.

LAND DRAINAGE see Drainage

LAND TENURE

**This land is mine** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

LAND VALUATION see Farms—Valuation

LANDING AIDS (AERONAUTICS)

see also Aeroplanes—Electric equipment; Electronics in aeronautics; Ground controlled approach; Instrument landing systems

**Operation zero-zero (Project narrow gauge)** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

LANDING OPERATIONS

see also Amphibious warfare

**From ships of the sky** (*Motion picture*) U. S. Dept. of the Navy, 1955.

LANDING STRIPS see Air-bases—Runways; Airports—Runways

LANDSCAPE GARDENING

see also Evergreens

**Basic technique for home landscaping** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Association of Nurserymen, 1958. Made by Sun-Dial Films.

LAPAROTOMY see Abdomen—Surgery

LA PAZ, BOLIVIA

**La Paz** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

LARVAE

see also Insects—Development

**Identification of U. S. genera of mosquito larvae** (*Filmstrip*) U. S. Public Health Service, 1947.

**Identification of U. S. species of Anopheles larvae** (*Filmstrip*) U. S. Public Health Service, 1950.

**Infective larvae of ancylostoma caninum** (*Motion picture*) U. S. Public Health Service, 1952.

—MOSQUITOES see Mosquitoes—Larvae

LATHES

**Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Boring to close tolerances** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Boring to close tolerances** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

LATHES (Continued)

**Chuck work. Part 1: Setting up hexagon turret tools** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Chuck work. Part 1: Setting up hexagon turret tools** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Chuck work. Part 2: Setting up tools for combined cuts** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Chuck work. Part 2: Setting up tools for combined cuts** (*Filmstrip*) U. S. Office of Education, 1945. Made by

**Cutting a taper with the compound rest and with a taper attachment** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

**Cutting a taper with the compound rest and with a taper attachment** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Cutting an external acme thread** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

**Cutting an external acme thread** (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

**Cutting an external national fine thread** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

**Cutting an external national fine thread** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Cutting an internal acme thread** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Cutting an internal acme thread** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Cutting an internal taper pipe thread** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Cutting an internal taper pipe thread** (*Filmstrip*) U. S. Office of Education, 1942. Made by Atlas Educational Film Co.

**Cutting with carbide tools. Part 1: Single point** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Cutting with carbide tools. Part 1: Single point** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Drilling, boring, and reaming work held in chuck** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

**Drilling, boring, and reaming work held in chuck** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Elaboração de uma peça no prato ou bucha** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Elaboración de una pieza en el plato** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**O emprêgo do suporte fixo** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Face turning a collar** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Face turning a collar** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Facing, turning, boring, grooving, and chamfering** (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

**Facing, turning, boring, grooving, and chamfering** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**The lathe** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**The lathe** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1944.

**The lathe** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**Machining work held in chuck: Use of reference surfaces** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Machining work held in chuck: Use of reference surfaces** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Perforación micrométrica** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Perfuração micrométrica** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Rough-facing, boring, and turning a shoulder** (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

**Rough-facing, boring, and turning a shoulder** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Rough-facing, turning and drilling** (*Motion picture*) U. S. Office of Education, 1942. Made by Audio Productions.

**Rough-facing, turning and drilling** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Rough turning between centers** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

**Rough turning between centers** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Setting up and machining bar stock** (*Motion picture*) U. S. Office of Education, 1945. Made by Industrial Film Guild.

**Setting up and machining bar stock** (*Filmstrip*) U. S. Office of Education, 1945. Made by Industrial Film Guild.

**Tournage d'un cylindre entre les pointes** (*Motion picture*) U. S. Office of Education, 1951.

**Tournage d'une bride sur plateau** (*Motion picture*) U. S. Office of Education, 1951.

**Tournage en mandrin** (*Motion picture*) U. S. Office of Education, 1951.

**Tournage sur plateau** (*Motion picture*) U. S. Office of Education, 1951.

**Torneo de uma peça fixa num suporte** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Torneo de uma peça no mandril** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Torneo de una pieza en el mandril** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Torneo de una pieza fija en un sostén** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

**Turning a cylinder between centers** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning a cylinder between centers** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning a taper with the tailstock set over** (*Motion picture*) U. S. Office of Education, 1942. Made by West Coast Sound Studios.

**Turning a taper with the tailstock set over** (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

**Turning taper work** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning taper work** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning work held on a fixture** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Turning work held on a fixture** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Turning work held on a mandrel** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Turning work held on a mandrel** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Turning work in a chuck** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning work in a chuck** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning work of two diameters** (*Motion picture*) U. S. Office of Education, 1941. Made by Jam Handy Organization.

**Turning work of two diameters** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Turning work on a face plate** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Turning work on a face plate** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**The turret lathe, an introduction** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**The turret lathe, an introduction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Using a boring bar between centers: Work held on carriage** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Using a boring bar between centers: Work held on carriage** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Using a follower rest** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Using a follower rest** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Using a steady rest** (*Motion picture*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Using a steady rest** (*Filmstrip*) U. S. Office of Education, 1943. Made by Atlas Educational Film Co.

**Using a steady rest when boring** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Using a steady rest when boring** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**El uso del soporte fijo** (*Motion picture*) U. S. Office of Education in cooperation with the U. S. Office of the Coordinator of Inter-American Affairs, 1945. Made by Atlas Educational Film Co.

LATRINES **see** Privies

LAUNCHING OF SHIPS **see** Ships—Launching

LAUNDRY

**A simple way to iron a shirt** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New York Extension Service, 1944.

LAW, INDUSTRIAL **see** Industry and state

LAW, MILITARY **see** Military law

LAYING-OUT (MACHINE-SHOP PRACTICE)

**Care and use of hand tools. Part 2: Basic layout tools** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

**Laying out small castings** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

LEAD INDUSTRY AND TRADE

**Lead from mine to metal** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

**A story of lead** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

LEAD MINES AND MINING

**Lead from mine to metal** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

**A story of lead** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1952.

LEADERSHIP

**see also** Discussion; Psychology, Applied

**Discussion technique** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Greatness** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Principles of leadership** (*Motion picture*) U. S. Dept. of the Army, 1953.

LEARNING, PSYCHOLOGY OF

**Principles of learning** (*Motion picture*) U. S. Dept. of the Army, 1956.

LEG

see also Femur; Tibia

—AMPUTATION see Amputations of leg

—FRACTURE

**Fractures of the leg and ankle joint** (*Motion picture*) U. S. Veterans Administration, 1956. Made by Churchill-Wexler Film Productions.

—SURGERY

**Bullet wound of left leg and foot: Proper initial debridement; primary delayed closure, 4th day** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Femoral artery by-pass graft with crimped teflon** (*Motion picture*) U. S. Veterans Administration, 1959.

**Missile wound of right posterior calf with severe damage to popliteal artery: Repair with homologous artery graft** (*Motion picture*) U. S. Dept. of the Navy, 1954.

LEGAL ADVERTISING

**Defense procurement: Formal advertising** (*Motion picture*) U. S. Dept. of the Army, 1960.

LEISURE

see also Hobbies

**Creative leisure** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

**Problems of leisure** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

LENSES

see also Glass, Optical

**Beveling, grooving, and rounding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Centering, edge grinding, and beveling** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Centering, edge grinding, and beveling** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Fine grinding** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Fine grinding** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Fine grinding and polishing** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Introduction to optics** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

**Optical, inspection methods, part 1** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Optical, inspection methods, part 2** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Pitch buttoning and blocking** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Pitch buttoning and blocking** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Polishing** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Polishing** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Rough grinding** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Rough grinding** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Rough grinding** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Rough grinding by pin-bar** (*Motion picture*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Rough grinding by pin-bar** (*Filmstrip*) U. S. Office of Education in cooperation with U. S. Dept. of the Navy, 1944. Made by Bell & Howell Co.

**Rough grinding with a curvature generator** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

**Rough grinding with a vertical surface grinder** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

LENSES, PHOTOGRAPHIC

**The care and cleaning of photographic lenses** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Properties of photographic lenses** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

LEPROSY

**Clinical manifestations of leprosy** (*Filmstrip*) U. S. Public Health Service, 1957.

—DIAGNOSIS

**Recognition of leprosy** (*Motion picture*) U. S. Public Health Service, 1959.

LESSER SUNDA ISLANDS

**Lesser Sunda Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

LEVEES

see also Flood dams and reservoirs

**Toe drain application to levee construction** (*Motion picture*) U. S. Army Engineers, 1951.

LEVELING

see also Surveying

**Basic use of levels by sanitarians** (*Filmstrip*) U. S. Public Health Service, 1954.

**Leveling for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1951.

**Measuring and leveling** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

LEYTE GULF, BATTLE OF, 1944 see Philippine Sea, Battles of the, 1944

LIBERTY

**In honor of liberty** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

LIBERTY OF SPEECH

**Voices of the people** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

LIBERTY OF THE PRESS

**Edition Tokyo** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Freedom of the press** (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Affiliated Film Producers. Released for public educational use through U. S. Office of Education, 1950.

**Small town editor** (*Motion picture*) U. S. Dept. of State, 1952. Made by Media Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

LIBRARIES

**How free am I?** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Libraries without bars** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

—BRANCHES, DELIVERY STATIONS, ETC.

**Small town library** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Kling Studios. Released for public educational use through U. S. Office of Education, 1952.

LIBRARIES, AERONAUTICAL see Aeronautical libraries

LIBRARIES, CHILDREN'S

**The impressionable years** (*Motion picture*) U. S. Dept. of State, 1952. Made by Peter Elgar Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

LIBRARIES, MILITARY see Military libraries

LIBRARY OF CONGRESS see U. S. Library of Congress

LICE

**Identification of some common sucking lice** (*Filmstrip*) U. S. Public Health Service, 1948.

LICE AS CARRIERS OF DISEASE

**Control of louse-borne diseases** (*Motion picture*) U. S. War Dept., 1946.

**Guerra no piolho** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Kill the louse** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**El tifo** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

LIFE-BOATS

**Handling a lifeboat under oars. Part 1: Rowing** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1946.

**Handling a lifeboat under oars. Part 2: Commands** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1946.

**Lifeboats under gravity davits: Launching boats** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.

**Lifeboats under gravity davits: Recovering boats** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.

LIFE-SAVING

see also Survival (after aeroplane accidents, shipwrecks, etc.); U. S. Coast Guard—Search and rescue operations

**Abandon ship** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Wilding Picture Productions. Released for educational use through U. S. Office of Education, 1949.

**Elementary tactics of lifesaving** (*Motion picture*) U. S. Navy Dept., 1943. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1946.

**Search and rescue boat handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Transfer of a patient at sea** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

LIFE-SAVING APPARATUS

see also Aircraft survival equipment; Life-boats

**Forced down at sea** (*Motion picture*) U. S. Navy Dept., 1943. Made by Wilding Picture Productions.

**Survivor recovery and handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

LIFE-SAVING STATIONS

**Operation of ocean station vessels during search and rescue** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Search patterns** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Training in operation plans between the ocean station vessel and a ditching plane** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

LIFT (AERODYNAMICS)

see also Drag (Aerodynamics); Stalling (Aerodynamics)

**The fundamental nature of air flows and air-flow separation** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1935.

**How an airplane flies, parts 1 and 2** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Lift and drag** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**A study of air flow by means of smoke** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1942.

LIFTS see Hoisting machinery

LIGATURE (SURGERY)

**The repair of femoral hernia** (*Motion picture*) U. S. Veterans Administration, 1956.

LIGHT, WAVE THEORY OF

**Elementary optics in photography** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

LIGHT METERS

**Operation of industrial hygiene survey equipment: The light meter** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

LIGHT-SHIPS

**Lighthouses and lightships** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

LIGHT TRAPS see Insect traps

LIGHTHOUSES

see also Beacons

**Lighthouses and lightships** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

LIGHTING

see also Daylight

**Mechanical aids to physical security. Part 2: Protective lighting, communications, and alarm systems** (*Filmstrip*) U. S. Dept. of the Army, 1953.

LILIES

**Beltsville newsreel, no. 1** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

LIMA

**Lima** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

LIMBS, ARTIFICIAL see Artificial limbs

LIP-READING see Deaf—Means of communication

LIPS

—SURGERY

**Reconstruction of the lower lip and chin** (*Motion picture*) U. S. Dept. of the Army, 1947.

LIQUID FUELS

see also Gasoline

**Circulation in drops** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

LIQUIDS

see also Hydraulics

**Principles of liquids and gases** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

—COMPRESSIBILITY see Compressibility

LISTERIOSIS

**Listeriosis** (*Filmstrip*) U. S. Public Health Service, 1960.

LITERACY see Illiteracy

LITTLE ROCK, ARK.

—HOSPITALS

**Construction of the Little Rock Veterans Administration Hospital, part 1** (*Motion picture*) U. S. Army Engineers, 1951.

**Construction of the Little Rock Veterans Administration Hospital, part 2** (*Motion picture*) U. S. Army Engineers, 1951.

LITTLE ROCK AIR FORCE BASE, JACKSONVILLE, ARK. see U. S. Little Rock Air Force Base, Jacksonville, Ark.

LIVE STOCK see Domestic animals; Stock and stock-breeding

LIVE STOCK ASSOCIATIONS

**Livestock cooperatives in action** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

LIVER

see also Gall-bladder

**Embryology of the liver, gallbladder, and pancreas** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**The liver. Part 1: Normal histology of the human liver** (*Filmstrip*) U. S. Public Health Service, 1949.

**The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver** (*Filmstrip*) U. S. Public Health Service, 1949.

**The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts** (*Filmstrip*) U. S. Public Health Service, 1949.

LOADING AND UNLOADING

see also Cargo handling

**Aerial tramway** (*Motion picture*) U. S. Dept. of the Army, 1951.

**Cargo dropping** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Cargo handling gear, basic operation** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Cargoing and loading** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Heavy lifts** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Outloading of Diesel locomotives** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Straps and transportation bridles** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

**Vehicle loading and stowing** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

LOCOMOTIVES

see also Diesel locomotives

**Steam locomotive firing** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

LOCUSTS

—EXTERMINATION

**Grasshoppers can be controlled** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**More grasshoppers** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

LOGGING see Lumbering

LOGGING SLASH see Slash (Logging)

LOGISTICS

**The big picture: Operation Lifeline** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Japan logistical command** (*Motion picture*) U. S. Dept. of Defense, 1952.

**U. S. naval Arctic operations: Equipment** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education.

**U. S. naval Arctic operations: Logistics** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.

—STUDY AND TEACHING

**The case method of instruction, part 1** (*Motion picture*) U. S. Dept. of the Army, 1959.

**The case method of instruction, part 2** (*Motion picture*) U. S. Dept. of the Army, 1959.

LOGISTICS, NAVAL

**Mobile supply support** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Service to the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1956.

LOGS (NAUTICAL INSTRUMENTS)

**The log** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

LONG RANGE NAVIGATION see Loran

LONGLEAF PINE

**Prescribed burning in the South** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

LOOKOUT POINT DAM

**Key to the emerald empire** (*Motion picture*) U. S. Army Engineers, 1956.

LORAN

**Long range navigation: Loran** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Loran: Airborne operations** (*Motion picture*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Office of Education, 1946.

**Loran: Basic principle of loran operation** (*Motion picture*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Office of Education, 1946.

**Loran comes to Batan** (*Motion picture*) U. S. Coast Guard, 1955.

LORAN (Continued)

**Loran duty: a challenge** (*Motion picture*) U. S. Coast Guard, 1957.

**Loran for ocean navigation** (*Motion picture*) U. S. Coast Guard, 1947.

**Trained and ready** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

LORD'S PRAYER (MUSIC)

**The Lord's prayer** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

LOS ANGELES. TRADE AND TECHNICAL COLLEGE

**Junior college for technical trades** (*Motion picture*) U. S. Dept. of State, 1950. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

LOUD-SPEAKERS

**Reproducers** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

LOUSE see Lice

LOVE, MATERNAL

**Letter from a mother** (*Motion picture*) U. S. Dept. of the Army, 1955.

LOYALTY

see also Patriotism

**Code of conduct. Article 4: Keep faith** (*Motion picture*) U. S. Dept. of the Army, 1959.

LOYALTY, POLITICAL see Allegiance

LUBRICATION AND LUBRICANTS

see also Bearings (Machinery); Oils and fats; also subdivision Lubrication under subjects, e. g. Automobiles—Lubrication

**Aircraft lubricants and lubricating equipment** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

**Arctic engine oil** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Diesel lubrication and cooling systems** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1947.

**Diesel lubrication and cooling systems: Lubrication of the GM-71 series engines** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Engine lubricating system** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Lubrication** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.

**Lubrication of electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bill Sturm Studios.

**Power plant lubrication** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Principles of lubrication** (*Filmstrip*) U. S. Office of Education, 1945. Made by Graphic Films.

**Principles of lubrication** (*Motion picture*) U. S. Office of Education, 1945. Made by Graphic Films.

**The story of lubricating oil** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Indiana) 1949.

LUCITE

**Maintenance of plexiglass and lucite** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

LUKE AIR FORCE BASE, GLENDALE, ARIZ. see U. S. Luke Air Force Base, Glendale, Ariz.

LUMBAR PUNCTURE see Spine—Puncture

LUMBERING

see also Slash (Logging); Woodworking machinery

**Easier ways of logging** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

LUMINESCENCE see Radiation; Radioactivity

LUNCH ROOMS see Restaurants, lunch rooms, etc.

LUNGS

see also Pleura; Respiration

**The lung. Part 1: Comparative anatomy and normal histology** (*Filmstrip*) U. S. Public Health Service, 1948.

—CANCER

**Block dissection and pneumonectomy for bronchogenic carcinoma, right side** (*Motion picture*) U. S. Veterans Administration, 1959.

**Lung cancer: The problem of early diagnosis** (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1954. Made by Audio Productions.

—SURGERY

**Block dissection and pneumonectomy for bronchogenic carcinoma, right side** (*Motion picture*) U. S. Veterans Administration, 1959.

**Block dissection and pneumonectomy of bronchogenic carcinoma, left side** (*Motion picture*) U. S. Veterans Administration, 1958.

**Decortication in the treatment of tuberculous pleuritis** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Management and technique of pulmonary lobectomy** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Reconstitution of the lung** (*Motion picture*) U. S. Veterans Administration, 1956.

LUPINE

**Blue lupine** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

LUXEMBURG

**The Benelux countries** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Introducing Luxembourg** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Ytzen Brusse, Amsterdam. Released in the United States by U. S. Dept. of State, 1956.

LYMPHATICS

**Anatomy and physiology: The lymphatic system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

## M

M S T S see U.S. Military Sea Transportation Service

MACHINE-GUNS

see also Anti-aircraft guns; Browning machine-gun

**Fundamentals of small arms weapons. Part 3: Semiautomatic and automatic fire** (*Motion picture*) U. S. Dept. of the Army, 1945.

MACHINE-SHOP PRACTICE

see also Laying-out (Machine-shop practice)

**Bars, punches, and drifts** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

**Centering small stock** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

**Centering small stock** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**How to machine aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

**Laying out small castings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Radio shop techniques** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

—SAFETY MEASURES

**Shop safety** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

—STUDY AND TEACHING

**Giving a shop demonstration** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

MACHINE-SHOPS

—FIRES AND FIRE PREVENTION

**An object lesson in fire prevention** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1951.

MACHINE-TOOLS

see also Jigs and fixtures

**Fundamentals of end cutting tools** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

**Fundamentals of end cutting tools** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Fundamentals of side cutting tools** (*Motion picture*) U. S. Office of Education, 1942. Made by Calvin Co.

**Fundamentals of side cutting tools** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

MACHINERY

see also Bearings (Machinery); Clutches (Machinery); Couplings; Electric machinery; Engines; Friction; Gearing; Hydraulic machinery; Locomotives; Lubrication and lubricants; Machine-tools; Mechanics; Packing (Mechanical engineering); Patents; Steam-engines

—MAINTENANCE AND REPAIR

**Reciprocating pump opening for inspection** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Reciprocating pump opening for inspection** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

MACHINISTS' TOOLS

**Bars, punches, and drifts** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

MADISON, IND.

**The town** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

MAGNESIUM

**This is magnesium** (*Motion picture*) U. S. Bureau of Mines in cooperation with Dow Chemical Co., 1952.

MAGNESIUM ALLOYS

**This is magnesium** (*Motion picture*) U. S. Bureau of Mines in cooperation with Dow Chemical Co., 1952.

MAGNET WINDING see Electromagnets

MAGNETISM, TERRESTRIAL

see also Compass; Magnetometer

**The airborne magnetometer** (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

MAGNETO

**The aircraft magneto: Theory and operation of the four-pole magneto** (*Motion picture*) U. S. Army Air Forces, 1944.

**Principles of operation of the automotive magneto** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

**Servicing and timing magnetos** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing and timing magnetos** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

MAGNETOMETER

**The airborne magnetometer** (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

MAGNETRONS

**Microwave oscillators** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

MAHAN, ALFRED THAYER, 1840-1914

**Navy decline, the new Navy, and the war with Spain, 1865–1898** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

MAHATTAN (TRANSPORT SHIP) see Wakefield (Transport ship)

MAIL SERVICE see Postal service

MAIZE

**Corn** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Freezing broccoli and corn-on-the-cob** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

**The grain that built a hemisphere** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

**Milho, o grão que foi o alicerce de um hemisfério** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Released by U. S. Institute of Inter-American Affairs, 1947.

**La semilla de oro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1947.

**Types of damaged kernels and other conditions** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

—DISEASES AND PESTS

**Corn** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

—DRYING

**Drying ear corn with forced air** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

MALACOLOGY see Mollusks

MALARIAL FEVER

**Chills and fever: Why?** (*Filmstrip*) U. S. Public Health Service, 1947.

**Clinical malaria** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Erythrocytic stages of Plasmodium vivax** (*Motion picture*) U. S. Public Health Service, 1954.

**Experimental malaria transmission** (*Motion picture*) U. S Public Health Service, 1946.

**Insect repellent, part 1** (*Motion picture*) U. S. Dept. of the Army, 1955.

**The life cycle of a malaria parasite** (*Filmstrip*) U. S. Public Health Service, 1948.

**Malaria eradication** (*Motion picture*) U. S. Information Agency, 1958. Made by Lew Pollack Productions. Released for public educational use in the United States through U. S. Office of Education, 1959.

**Mosquito stages of Plasmodium falciparum** (*Motion picture*) U. S. Public Health Service in cooperation with the Laboratory of Tropical Diseases, National Institutes of Health, 1954.

**Preparation and staining of blood films** (*Motion picture*) U. S. Public Health Service, 1946.

**Preparing blood films for microscopical examination** (*Filmstrip*) U. S. Public Health Service, 1947.

**Staining blood films for malaria parasite examination** (*Filmstrip*) U. S. Public Health Service, 1947.

**Vivax malaria** (*Filmstrip*) U. S. Public Health Service, 1948.

—PREVENTION

**The ancient curse** (*Motion picture*) U. S. Dept. of State. 1952. Made by Educational Film Corp. of America. Released for educational use in the United States through U. S. Office of Education, 1952.

**Control of mosquito-borne diseases** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Malaria control on Corsica** (*Motion picture*) U. S. War Dept., 1945.

**Malaria control on impounded waters** (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.

**Pacific enemy, malaria** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

MALIK, CHARLES

**The Middle East problem with Dr. Charles Malik** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

MALTA FEVER see Undulant fever

MAN, PREHISTORIC

**Shell mounds in the Tennessee Valley** (*Motion picture*) U. S. Tennessee Valley Authority, 1937.

MANAGEMENT, INDUSTRIAL see Industrial management

MANEUVERS, MILITARY see Military maneuvers

MANGE see Scabies

MANILA ROPE see Rope

MANNERS see Etiquette

MANURES see Fertilizers and manures

MAP PRINTING

**Negative scribing** (*Motion picture*) U. S. Geological Survey, 1953.

MAP-PROJECTION

see also Cartography

**Charts** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

**Multiplex mapping, part 1** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

MAP READING see Maps; Maps, Military

MAPLE SYRUP

**The production of maple syrup** (*Filmstrip*) U. S. Dept. of Agriculture, 1948.

MAPS

see also Aeronautical charts; Cartography; Nautical charts

**Direction, orientation, and location with compass** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Direction, orientation, and location without a compass** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education. 1953.

**Photos and photomaps** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

—SYMBOLS

**Elevation, distance, and grid** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Topographic symbols** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

MAPS, METEOROLOGICAL see Meteorology —Charts, diagrams, etc.

MAPS, MILITARY

see also Military reconnaissance; Military topography

**Map reading, basic: Azimuth conversion** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Azimuths** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Characteristics of contour lines** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Contour lines and intervals** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Elevation** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Intersection** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Location** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Percent of slope** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Resection** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Scale and distance** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Using the protractor** (*Motion picture*) U. S. Dept. of the Army, 1957.

MARIANA ISLANDS

**Carolines, Marianas, Bonin Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

MARINE BOILERS see Steam-boilers, Marine

MARINE COOKERY see Cookery, Marine

MARINE DISASTERS see Shipwrecks

MARINE ENGINES

see also Diesel motor; Marine gas-turbines; Steam-boilers, Marine; Steam-turbines, Marine

**Aligning and installing auxiliary machinery** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Aligning and installing auxiliary machinery** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Filing and installing chocks** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Filing and installing chocks** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Fitting tube, shaft, and propeller** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Fitting tube, shaft, and propeller** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**How to check and surface foundations** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**How to check and surface foundations** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Installing valves and strainer on sea chest** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Installing valves and strainer on sea chest** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Laying off bulkheads** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

MARINE ENGINES (Continued)

**Laying off bulkheads** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Laying out, drilling, and tapping flanges on sea chest** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Laying out, drilling, and tapping flanges on sea chest** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Marine diesel engines for power boats** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

**Naval steam turbines: How turbines work** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks & Norling.

**Naval steam turbines: The steam cycle** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Loucks & Norling.

**Running a permanent line and boring** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Running a permanent line and boring** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Running a temporary line** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Running a temporary line** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

MARINE GAS-TURBINES

**Marine gas-turbine engine: Trouble shooting** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

MARINE INSTRUMENTS see Nautical instruments

MARINE PIPE-FITTING

**Fitting and installing a section of pipe aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1944.

**Fitting and installing a section of pipe aboard ship** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp.

**Piping fabrication for shipboard high temperature steam systems: Bending and installing** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

**Piping fabrication for shipboard high temperature steam systems: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

**Piping fabrication for shipboard high temperature steam systems: Welding** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Victor Kayfetz Productions.

MARINE TRANSPORTATION see Shipping

MARITIME SURVEYING see Hydrographic surveying

MARKETING (HOME ECONOMICS)

see also Consumer education; Shopping

**Food marketing education for consumers** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

MARKETING OF FARM PRODUCE see Farm produce—Marketing

MARKETING RESEARCH

**Marketing research pays off** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

MARKING-OUT see Laying-out (Machine-shop practice)

MARKSMANSHIP see Shooting

MARSHALL, GEORGE CATLETT, 1880-

**Marshall day at VMI, 1951** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

MARSHALL ISLANDS

**Marshall, Gilbert, and Ellice Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

MARYLAND. UNIVERSITY. INSTITUTE FOR CHILD STUDY

**Helping teachers to understand children, part 1** (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Helping teachers to understand children, part 2** (*Motion picture*) U. S. Information Agency, 1953. Made by Caravel Films. Released for public educational use in the United States through U. S. Office of Education, 1954.

MASS COMMUNICATION see Communication; Telecommunication

MASS FEEDING see Emergency mass feeding

MASS MEDIA see Communication

MASSAGE

**Fundamentals of massage** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Fundamentals of massage** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

MASTS AND RIGGING

**Rigging blocks** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Rigging blocks** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education. 1948.

**Slinging load** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

MATERIALS HANDLING

see also Cargo handling; Loading and unloading

**Cargo handling gear, basic operation** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

**Heavy lifts** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Materials handling equipment operation: Gantry truck and warehouse cranes** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sound Masters, inc.

**Navy materials handling equipment operation** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters, inc.

**Navy materials handling: The fork truck** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.

**Navy materials handling: The unit load** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1948.

**Straps and transportation bridles** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

**Vehicle loading and stowing** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

**Winches and booms** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

MATERNAL LOVE see Love, Maternal

MATTER

—CONSTITUTION

see also Molecular theory

**Ohm's law** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

MEASUREMENTS, ELECTRIC see Electric measurements

MEASUREMENTS, OPTICAL see Optical measurements

MEASUREMENTS, PHYSICAL see Physical measurements

MEASURES see Weights and measures

MEASURING INSTRUMENTS

see also Caliphers; Gages; Light meters; Rulers (Instruments); Slide-rule

**Dividers, parallel rulers, protractors** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Rocket instrumentation** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

MEASURING-TAPES

**Measuring and leveling** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

MEAT

see also Beef; Pork

—PRESERVATION

**Canning meat** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.
40 fr., b&w, 35 mm.
Order no. 659.
With lecture notes.
*Summary:* Shows how to can meat according to methods recommended by the Bureau of Human Nutrition and Home Economics.
*Buy from* PhotoLab.

**Curing pork country style** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Pork on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

MEAT CUTTING

**Central meat cutting plants** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

**Cutting a forequarter of beef** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

**Cutting a hindquarter of beef** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

**Cutting and boning a forequarter of beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Cutting and boning a forequarter of beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**Cutting and boning a hindquarter of beef** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Cutting and boning a hindquarter of beef** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

**It's carving time** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

MEAT INSPECTION

**Federal meat inspection** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**Veterinary food inspection service. Part 2: Theater of operations** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Your meat inspection service** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

MECHANICAL BRAINS see Electronic calculating-machines

MECHANICAL HANDLING see Materials handling

MECHANICS

see also Balance; Engineering; Force and energy; Friction; Gases; Hydraulics; Liquids; Machinery; Moments of inertia; Power (Mechanics); Soil mechanics; Steam-engines; Strength of materials; Vibration

**Principle of moments** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

MECHANICS (Continued)

**Principle of moments** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

MECHANICS (PERSONS)

see also Aviation mechanics (Persons)

**The mechanic** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Produced by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

MECHANIZATION IN AGRICULTURE see Farm mechanization

MEDICAL EMERGENCIES

see also Emergency medical services; First aid in illness and injury

**Medical defense against biological warfare: Basic plan after attack** (*Motion picture*) U. S. Navy Dept., 1959. Made by Fordel Films.

**Medical defense against chemical warfare: Emergency treatment** (*Motion picture*) U. S. Navy Dept., 1959. Made by Sound Masters.

MEDICAL ENTOMOLOGY see Insects as carriers of disease

MEDICAL EXAMINATIONS see Diagnosis

MEDICAL MYCOLOGY

see also Fungi, Pathogenic

**Dermatology and syphilology. Part 5: Superficial fungus infections** (*Filmstrip*) U. S. Dept. of the Army, 1957.

MEDICAL PROFESSION see Physicians

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RESEARCH

see also Aviation medicine—Research; Cancer research; Laboratory animals; Naval medical research

**Army medical laboratories** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Atoms for peace. Part 2: Medicine** (*Motion picture*) U. S. Information Agency, 1955. Made by Warner News. Released for public educational use in the United States through U. S. Office of Education, 1955.

**Demonstration of Cushing's experiment in the dog** (*Motion picture*) U. S. Dept. of the Army, 1949.

**Medical research** (*Motion picture*) U. S. Veterans Administration, 1957. Made by U. S. Dept. of Agriculture.

**That men may fly** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by American Film Producers.

MEDICAL SOCIAL WORK

**Planning for the patient's discharge** (*Motion picture*) U. S. Veterans Administration, 1956.

MEDICAL THERMOMETERS see Thermometers and thermometry, Medical

MEDICINE

see also Aviation medicine; Bacteriology; Hospitals; Hygiene; Nurses and nursing; Physiology

—PRACTICE

see also Hydrotherapy; Therapeutics

**The medical examination. Part 1: Importance** (*Motion picture*) U. S. Dept. of the Army, 1949.

MEDICINE, CLINICAL

**The medical examination. Part 2: Medical history** (*Motion picture*) U. S. Dept. of the Army, 1950.

**The medical examination. Part 3: Examination** (*Motion picture*) U. S. Dept. of the Army, 1950.

MEDICINE, DENTAL see Teeth—Diseases

MEDICINE, INDUSTRIAL

**Air Force industrial medicine in action** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

MEDICINE, MILITARY

see also Dentistry, Military; First aid in illness and injury; Hospitals, Military; Medicine, Naval; Military hygiene; Surgery, Military; Veterans, Disabled—Rehabilitation; War—Relief of sick and wounded

**Emergency medical treatment unit: Phase 1** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Evacuation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Evacuation of the wounded** (*Motion picture*) U. S. War Dept., 1944.

**Medical aid in combat: Company aid men in action** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Universal Pictures Co.

**Medical planning for a task force operation** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Medical service in the jungle** (*Motion picture*) U. S. War Dept., 1944.

**Military immunization: General procedures** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

**Nursing in the tropics** (*Motion picture*) U. S. Dept. of the Army, 1952.

MEDICINE, NAVAL

see also Naval hygiene; Surgery, Naval

**Hospital afloat** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Medical support in ship to shore operations** (*Motion picture*) U. S. Navy Dept., 1944.

—RESEARCH see Naval medical research

MEDICINE, PREVENTIVE

see also Hygiene; Hygiene, Public; Immunity

**Naval epidemiology** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Preventive medicine: A USAF team in action** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

MEDICINE, PSYCHOSOMATIC

**Psychosomatic disorders** (*Motion picture*) U. S. Navy Dept., 1946. Made by Pathescope Co. of America.

MEDICINE, TROPICAL see Tropics—Diseases and hygiene

MEDICINE, VETERINARY see Veterinary medicine

MEDICINE AS A PROFESSION

**Journey into medicine** (*Motion picture*) U. S. Dept. of State, 1947. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education and U. S. Public Health Service, 1949.

MEDITERRANEAN FEVER see Undulant fever

MEDITERRANEAN FRUIT FLY

**Beltsville newsreel, no. 18** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**The rise and fall of the Medfly** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

MEDITERRANEAN REGION

**Sea power: The Sixth Fleet, force for peace** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Reid H. Ray Film Industries.

MELANESIA

**Melanesia** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

MEMORIAL DAY

**Memorial day** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by United World Films.

MENHADEN FISHERIES

**The story of menhaden** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with 11 menhaden companies, 1951. Made by Sun Dial Films.

MEN'S CLOTHING

**The fit of a man's suit** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

**A man's appearance counts** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

**Quality of a man's suit** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the National Association of Retail Clothiers and Furnishers, 1954.

MENTAL HYGIENE

**Head of the house** (*Motion picture*) U. S. Information Agency, 1953. Made by Mental Health Film Board. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Preface to a life** (*Motion picture*) U. S. Public Health Service in cooperation with U. S. Office of Education, 1950. Made by Sun Dial Films.

**Road to reason** (*Motion picture*) U. S. Veterans Administration, 1951.

MENTAL ILLNESS

—DIAGNOSIS

**A technique for measuring minimal social behavior** (*Motion picture*) U. S. Veterans Administration, 1957.

MERCHANDISE, DISPLAY OF see Display of merchandise

MERCHANT MARINE

see also Coastwise shipping; Shipping

**Men and the sea** (*Motion picture*) U. S. Office of War Information, Domestic Branch, in cooperation with U. S. Maritime Commission, 1942. Released also through U. S. Office of Education, 1945.

**Serving the merchant marine** (*Motion picture*) U. S. Coast Guard, 1944.

—SAFETY MEASURES

see also Life-boats; Life-saving

**Damage control: Civilian-manned ships** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.

MERCHANT SEAMEN

**Men and the sea** (*Motion picture*) U. S. Office of War Information, Domestic Branch, in cooperation with U. S. Maritime Commission, 1942. Released also through U. S. Office of Education, 1945.

MESQUITE

**Beltsville newsreel, no. 16** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

METABOLISM

see also Basal metabolism; Nutrition

**Inside the cell. Part 1: Enzymes in intracellular chemistry** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Inside the cell. Part 2: Regulation of enzymes** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

### METAL CUTTING

see also Broaching machines; Hacksaws; Oxyacetylene welding and cutting

**Care and use of hand tools. Part 6: Metal cutting chisels** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

### METAL-SPINNING

**Spinning** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

### METAL-WORK

see also Brazing; Coppersmithing; Founding; Hammers; Sheet-metal work; Shipfitting; Solder and soldering; Steel; Tube bending; Welding

**Burnishing pivots** (*Motion picture*) U. S. Veterans Administration, 1949.

**The eye loop holder** (*Motion picture*) U. S. Veterans Administration, 1949.

**Form blocks and forming** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1943.

**Making a center punch** (*Motion picture*) U. S. Veterans Administration, 1949.

**Making a cone point set screw** (*Motion picture*) U. S. Veterans Administration, 1949.

**Making a fiddle bow** (*Motion picture*) U. S. Veterans Administration, 1949.

**Making three steel staffs** (*Motion picture*) U. S. Veterans Administration, 1949.

**Poising balance wheels** (*Motion picture*) U. S. Veterans Administration, 1949.

**Removing and replacing balance wheel screws** (*Motion picture*) U. S. Veterans Administration, 1949.

**Screws and plates** (*Motion picture*) U. S. Veterans Administration, 1949.

**Sharpening hand gravers** (*Motion picture*) U. S. Veterans Administration, 1949.

**Sharpening jewelers' screwdrivers and tweezers** (*Motion picture*) U. S. Veterans Administration. 1949.

**Simple calculations for flat layouts** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Brobuck. Released for public educational use through U. S. Office of Education, 1944.

**Truing balance wheels** (*Motion picture*) U. S. Veterans Administration, 1949.

### METAL-WORKING MACHINERY

see also Drill presses

**The metalsmith's tool kit** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1943.

METALLURGY, DENTAL see Dentistry —Metallurgy

METALLURGY, POWDER see Powder metallurgy

METAMORPHOSIS (INSECTS) see Insects —Development

### METEOROLOGICAL INSTRUMENTS

see also Altimeter; Thermometers and thermometry

**Barometer, hygrometer, clinometer** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

METEOROLOGICAL MAPS see Meteorology —Charts, diagrams, etc.

### METEOROLOGY

see also Atmosphere; Atmosphere, Upper —Rocket observations; Atmospheric pressure; Clouds; Cyclones; Floods; Fog; Hurricanes; Jet stream; Magnetism, Terrestrial; Radar meterology; Rain and rainfall; Snow; Storms; Thunderstorms; Tornadoes; Weather; Weather forecasting; Winds

**Air Masses** (*Filmstrip*) U. S. Navy Dept., 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Air masses and fronts** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**The cold front** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Effects of weather on tactical operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**The warm front** (*Motion picture*) U. S. Navy Dept., 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1946.

#### —CHARTS, DIAGRAMS, ETC.

**Weather map symbols** (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

### METEOROLOGY IN AERONAUTICS

see also Aeronautics in meteorology; Aids to air navigation; Condensation trails

**Aerology** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Alaskan air fortress** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Armed Forces screen magazine, no. 508** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Flying the weather map** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Flying the weather map: The equatorial front** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1947.

**Flying the weather map: Weather for the navigator** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Interpreting weather for landing aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Low ceilings and low visibilities** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

**Thunderstorms** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

**Turbulence** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

**weather control during instrument flight, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Wind and the navigator: Wind theory** (*Moton picture*) U. S. Dept. of the Air Force, 1957.

METERS, ELECTRIC see Electric meters

METROLOGY see Weights and measures

MEXICAN WAR, 1845-1848 see U.S.—History —War with Mexico, 1845-1848

### MEXICO

**The bounteous earth** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Fiestas of the hills** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Fire and water** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Sky dancers of Papantla** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

### MEXICO (CITY)

**The day is new** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Sundays in the valley of Mexico** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

### MICE

**Recognition of domestic rodent signs** (*Filmstrip*) U. S. Public Health Service, 1952.

MICROBES see Bacteria; Bacteriology; Germ theory of disease; Viruses

### MICROMETER

**The micrometer** (*Motion picture*) U. S. Office of Education, 1941. Produced by Loucks & Norling Studios.

**Verniers** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

### MICROSCOPE AND MICROSCOPY

see also Stains and staining (Microscopy)

#### —TECHNIQUE

**Laboratory technique for darkfield microscopy** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Leslie Roush Productions. Released for public educational use through U. S. Office of Education.

**Microdissection applied to mosquito identification** (*Filmstrip*) U. S. Public Health Service, 1953.

**Preparing blood films for microscopical examination** (*Filmstrip*) U. S. Public Health Service, 1947.

MICROWAVE RADIO see Radio, Short wave

MIDDLE EAST see Near East

### MIDWAY, BATTLE OF, 1942

**The Air Force story: The AAF fights back, April–July 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

### MIGRANT LABOR

**Algo para mañana** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

**The public health aspects of migrant workers** (*Motion picture*) U. S. Public Health Service, 1955.

**Something for tomorrow** (*Motion picture*) U. S. Social Security Administration, 1958. Made by Sarrell and Gage.

MILCH CATTLE see Dairy cattle

MILITARY AEROPLANES see Aeroplanes, Military

MILITARY AIR BASES see Air bases

### MILITARY ART AND SCIENCE

see also Aeronautics, Military; Air warfare; Arms and armor; Attack and defense (Military science); Biological warfare; Camouflage (Military science); Camps, Military; Chemical warfare; Drill and minor tactics; Gunnery; Logistics; Morale; Mountain warfare; Naval art and science; Ordnance; Psychological warfare; Shooting, Military; Soldiers; Strategy; Tactics; Tank warfare; Transportation, Military; Veterans; War games; Winter warfare

**Effects of weather on tactical operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

MILITARY ART AND SCIENCE (Continued)

**Making the march graph** (*Filmstrip*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Power for peace** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.

**The reconnaissance platoon and company** (*Motion picture*) U. S. Dept. of the Army, 1948.

**The tank-armored infantry team** (*Motion picture*) U. S. Dept. of the Army, 1949.

MILITARY AUTOMOBILES see Automobiles, Military

MILITARY BASES

see also Air bases; Navy-yards and naval stations

**Civilian guard services** (*Motion picture*) U. S. Dept. of the Army, 1959.

MILITARY BRIDGES

see also Pontoon-bridges

**The Bailey bridge in combat** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

**Fixed bridge construction and repair in the CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

MILITARY CAMPS see Camps, Military

MILITARY CAREER see Military service as a profession

MILITARY CEREMONIES, HONORS, AND SALUTES

see also Military funerals

**Military courtesy** (*Motion picture*) U. S. Dept. of the Army, 1954.

MILITARY CHAPLAINS see Chaplains, Military

MILITARY COMMUNICATIONS see Communications, Military

MILITARY CONTRACTS see Defense contracts

MILITARY CRIMES see Military offenses

MILITARY DENTISTRY see Dentistry, Military

MILITARY DESERTION see Desertion, Military

MILITARY DISCIPLINE

see also Morale

**Code of the fighting man** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Standards of a serviceman** (*Motion picture*) U. S. Dept. of Defense, 1951.

MILITARY DRAFT see Military service, Compulsory

MILITARY DRILL see Drill and minor tactics

MILITARY EDUCATION

see also Aeronautics, Military—Study and teaching; Soldiers—Education, Non-military

**Armies of the world. Part 2: The Soviet soldier** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Dress rehearsal** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Field training of the U. S. Corps of Cadets** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Keep on learning** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**The leading edge** (*Motion picture*) U. S. Marine Corps, 1958.

**The stages of instruction: Application, examination, and review or critique** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The stages of instruction: Preparation** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The stages of instruction: Presentation** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Training aids** (*Motion picture*) U. S. Dept. of the Army, 1956.

MILITARY ENGINEERING

see also Coast defenses; Electronics in military engineering; Military bridges; Military railroads; Military topography; Topographical surveying; World War, 1939-1945—Engineering and construction

**Basic engineer reconnaissance** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Construction for defense** (*Motion picture*) U. S. Army Engineers, 1952.

**Navy civil engineers** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1952.

—COLD WEATHER CONDITIONS

**Greenland 1957** (*Motion picture*) U. S. Army Engineers, 1957.

**Ice tunnel** (*Motion picture*) U. S. Army Engineers, 1958.

**Undersnow structures** (*Motion picture*) U. S. Army Engineers, 1958.

MILITARY EQUIPMENT, SUPPLIES, ETC. see Military supplies

MILITARY FUNERALS

**The military funeral** (*Motion picture*) U. S. Dept. of the Army, 1952.

MILITARY GRAVES see Soldiers' bodies, Disposition of

MILITARY HOSPITALS see Hospitals, Military

MILITARY HYGIENE

see also Medicine, Military; Naval hygiene; War—Relief of sick and wounded

**Control of louse-borne diseases** (*Motion picture*) U. S. War Dept., 1946.

**Mess sanitation** (*Motion picture*) U. S. Dept. of the Army, 1956.

MILITARY INSTALLATIONS see Military bases

MILITARY INTELLIGENCE

**Code of conduct. Article 5: My responsibilities** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Navy photography in intelligence** (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1948.

**Safeguarding military information** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

**Security control: You never can tell** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1951.

**Transmission security** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1948.

MILITARY JETS see Jet planes, Military

MILITARY LAW

see also Courts-martial and courts of inquiry; Military discipline; Military offenses; Military service, Compulsory

**This is the code: Conduct before the enemy** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

**This is the code: Procedural articles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

MILITARY LIBRARIES

**Army library program** (*Filmstrip*) U. S. Dept. of the Army, 1954.

MILITARY LIFE see Soldiers

MILITARY MANEUVERS

see also War games

**Beachhead secured** (*Motion picture*) U. S. Dept. of the Navy, 1950.

MILITARY MAPS see Maps, Military

MILITARY MEDICINE see Medicine, Military

MILITARY OFFENSES

see also Desertion, Military

**Booking of military offenders** (*Motion picture*) U. S. Dept. of the Army, 1952.

**The code and you** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

**Non-judicial punishment** (*Motion picture*) U. S. Dept. of the Army, 1954.

**This is the code: Absence offenses** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

**This is the code: Crimes against persons and property** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

**This is the code: Disrespect, disobedience, and improper performance of duty** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

**This is the code: General criminal articles** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Wilding Picture Productions.

**Uniform code of military justice** (*Motion picture*) U. S. Dept. of the Army, 1954. Released for public educational use, 1956.

MILITARY PHOTOGRAPHY see Photography, Military

MILITARY POST SCHOOLS

**Officer school: U. S. Army** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

MILITARY POWER see Military art and science; Sea-power

MILITARY PSYCHIATRY see Psychiatry, Military

MILITARY PSYCHOLOGY see Psychology, Military

MILITARY RADIO see Radio, Military

MILITARY RAILROADS

see also Military bridges

**Railroad safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

MILITARY RECONNAISSANCE

see also Military topography

**Basic engineer reconnaissance** (*Motion picture*) U. S. Dept. of the Army, 1952.

MILITARY RESEARCH

see also Aeronautics, Military —Research

**Look toward tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Memorandum on security** (*Motion picture*) U. S. Dept. of the Army, 1959.

MILITARY ROADS

**Bases and untreated surfaces** (*Motion picture*) U. S. War Dept., 1943.

**Clearing, grubbing, and rock work** (*Motion picture*) U. S. War Dept., 1943.

MILITARY SALUTES see Military ceremonies honors, and salutes

MILITARY SCIENCE see Military art and science

MILITARY SECRETS see Defense information, Classified

MILITARY SERVICE, COMPULSORY

**Time to go** (*Motion picture*) U. S. Dept. of the Army, 1955.

MILITARY SERVICE AS A PROFESSION

**A look at your Army** (*Motion picture*) U. S. Dept. of the Army, 1956.

MILITARY SOCIAL WORK

**Within the town** (*Motion picture*) U. S. Veterans Administration, 1952.

MILITARY STRATEGY see Strategy

MILITARY SUPPLIES

**Design for survival** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Importance of military packaging** (*Motion picture*) U. S. Dept. of the Navy, 1953.

—PRESERVATION

**Packaging and packing: Determination of methods of preservation** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation (includes IA methods)** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Methods of preservation, method IC, waterproof barrier (with preservative as required)** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Methods of preservation, submethod IA-1, conforming wrap, dipcoat sealed** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, submethods IId, rigid metal container, sealed** (*Filmstrip*) U. S. Dept. of the Army, 1958.

MILITARY SURGERY see Surgery, Military

MILITARY TACTICS see Tactics

MILITARY TELEGRAPH

**Improved field wire laying with wire dispensers** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

**Pole line construction. Part 3: Erecting poles and attaching crossarms** (*Motion picture*) U. S. Dept. of the Army, 1958.

MILITARY TELEPHONE

**The AN/TCC-7 system. Part 2: Initial adjustments of carrier telephone terminal** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Fundamentals of carrier telephony. Part 1: Operation of a carrier system** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Fundamentals of carrier telephony. Part 2: Terminals and repeaters** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Improved field wire laying with wire dispensers** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

**Multiple switchboards: Installation and operation** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

**Pole line construction. Part 3: Erecting poles and attaching crossarms** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Pole line construction. Part 4: Fundamentals of guying** (*Motion picture*) U. S. War Dept., 1943.

MILITARY TOPOGRAPHY

**Map reading, basic: Characteristics of contour lines** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Contour lines and intervals** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Percent of slope** (*Motion picture*) U. S. Dept. of the Army, 1957.

MILITARY TRAINING see Military education

MILITARY TRAINING, UNIVERSAL see Military service, Compulsory

MILITARY TRANSPORTATION see Transportation, Military

MILITARY TRIBUNALS see Courts-martial and courts of inquiry

MILITARY VEHICLES see Vehicles, Military

MILK

**Milk and public health** (*Motion picture*) U. S. Public Health Service, 1951.

—ANALYSIS AND EXAMINATION

**Laboratory control in milk sanitation** (*Motion picture*) U. S. Public Health Service, 1951.

**Sampling raw milk** (*Motion picture*) U. S. Public Health Service, 1952.

—PASTEURIZATION

**High-temperature short-time pasteurization. Part 2: Inspection and testing** (*Motion picture*) U. S. Public Health Service, 1951.

**High-temperature short-time pasteurization: Equipment and controls** (*Filmstrip*) U. S. Public Health Service, 1951.

**Milk processing** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

**You and your job** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

—STERILIZATION

**Cleaning equipment and containers** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

**Cleaning-in-place for pasteurization plants** (*Filmstrip*) U. S. Public Health Service, 1955.

—TRANSPORTATION

**Bulk milk handling** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

MILK, DRIED

**Beltsville newsreel, no. 10** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

MILK PLANTS

**Cleaning equipment and containers** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

**Milk processing** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

**You and your job** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Ray-Bell Films.

MILK TRADE

**Milk and public health** (*Motion picture*) U. S. Public Health Service, 1951.

MILLING-MACHINES

**Boring holes with offset boring head** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Boring holes with offset boring head** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Contour face milling** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Contour face milling** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Cutting a dovetail taper slide** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Cutting a dovetail taper slide** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Cutting a round end keyway** (*Motion picture*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Cutting a round end keyway** (*Filmstrip*) U. S. Office of Education, 1944. Made by Ray-Bell Films.

**Cutting a short rack** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Cutting a short rack** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Cutting keyways** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

**Cutting keyways** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Cutting teeth on a worm gear** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Cutting teeth on a worm gear** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Cutting with carbide tools. Part 2: Milling cutters** (*Motion picture*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Cutting with carbide tools. Part 2: Milling cutters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Mode-Art Pictures.

**Drilling, tapping, stub-boring, and reaming** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Drilling, tapping, stub-boring, and reaming** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Face milling with a fixture** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Face milling with a fixture** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Milling a circular T-slot** (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

**Milling a circular T-slot** (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

**Milling a foundation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Milling a foundation** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Milling a helical cutter** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Milling a helical cutter** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Milling a helical groove** (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

**Milling a helical groove** (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

**Milling a template** (*Motion picture*) U. S. Office of Education, 1945. Made by Hartley Productions.

**Milling a template** (*Filmstrip*) U. S. Office of Education, 1945. Made by Hartley Productions.

**The milling machine** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

**The milling machine** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education. 1944.

**The milling machine** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

### MILLING-MACHINES (Continued)

**The milling machine** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**The milling machine** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**Plain indexing and cutting a spur gear** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

**Plain indexing and cutting a spur gear** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Rough line-boring** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Rough line-boring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Setup for face milling with a fixture** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Setup for face milling with a fixture** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Setup for rough line-boring** (*Motion picture*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Setup for rough line-boring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Escar Motion Picture Service.

**Straddle and surface milling to close tolerances** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

**Straddle and surface milling to close tolerances** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Straddle milling** (*Motion picture*) U. S. Office of Education, 1941. Made by Caravel Films.

**Straddle milling** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Using a shell end mill** (*Motion picture*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

**Using a shel[illegible] mill** (*Filmstrip*) U. S. Office of Education, 1943. Made by Ray-Bell Films.

### MINERAL RESOURCES see Mines and mineral resources

### MINERAL WOOL

**The story of rock-wool home insulation** (*Motion picture*) U. S. Bureau of Mines in cooperation with Johns-Manville Corp., 1942.

### MINES AND MINERAL RESOURCES

**Brazilian quartz goes to war** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Nevada and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1949.

**Ohio and its mineral resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Ohio), 1948.

**Texas and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.

**West Virginia and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

### MINOR TACTICS see Drill and minor tactics

### MINORITIES

see also Discrimination; Race problems

**Don't be a sucker** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.

### MISSILE TRACKING see Guided missiles —Tracking

### MISSISSIPPI. UNIVERSITY

#### —ATHLETICS

**Sugar Bowl classic** (*Motion picture*) U. S. Dept. of the Navy, 1955.

### MISSISSIPPI RIVER

**Big river** (*Motion picture*) U. S. Army Engineers, 1953.

**Mississippi River: Upper river** (*Motion picture*) U. S. Army Engineers, 1948.

**Restless river** (*Motion picture*) U. S. Army Engineers, 1957.

### MISSOURI

**Missouri and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1950.

### MISSOURI RIVER

**Garrison on the Missouri** (*Motion picture*) U. S. Army Engineers, 1949.

**It must never happen again** (*Motion picture*) U. S. Army Engineers, 1951.

### MITES

**Insect repellent, part 2** (*Motion picture*) U. S. Dept. of the Army, 1955.

### MITOSIS see Cell division (Biology)

### MODELS AND MODELMAKING

see also Hydraulic models; Patternmaking; Relief models

**Methods and materials employed for model construction at the NACA Langley Laboratory** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1953.

### MODERATION

**Moderation** (*Motion picture*) U. S. Dept. of the Army, 1958.

### MODERN HISTORY see History, Modern

### MOLDING (FOUNDING)

**Molding a horizontal cored part** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding a horizontal cored part** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding a valve body** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding a valve body** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding on a jolt roll-over pattern draw machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Molding on a jolt roll-over pattern draw machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Molding on a jolt squeeze machine** (*Motion picture*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Molding on a jolt squeeze machine** (*Filmstrip*) U. S. Office of Education, 1945. Made by Filmcraft Productions.

**Molding part having a vertical core** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding part having a vertical core** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding part with deep green sand core** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding part with deep green sand core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding with a gated pattern** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding with a gated pattern** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding with a loose pattern** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding with a loose pattern** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding with a loose pattern; floor** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding with a loose pattern; floor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding with a split pattern** (*Motion picture*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding with a split pattern** (*Filmstrip*) U. S. Office of Education, 1944. Made by Atlas Educational Film Co.

**Molding with a three part flask** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Molding with a three part flask** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Moulage au moyen d'une machine à secousse et à démoulage par renversement** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage avec un modèle multiple** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage avec un modèle solide** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage avec une boite a mouler en trois parties** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage avec une machine à secousse et à compression** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage d'un modèle en deux parties** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage d'un modèle solide; sur le plancher** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage d'une pièce avec un noyau horizontal** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage d'une pièce avec un noyau profond de sable vert** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage d'une pièce portant un noyau vertical** (*Motion picture*) U. S. Office of Education, 1954.

**Moulage du corps d'une soupage** (*Motion picture*) U. S. Office of Education, 1954.

### MOLDING (PLASTICS) see Plastics—Molding

### MOLE (DERMATOLOGY)

**Moles and melanoma** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

### MOLECULAR THEORY

**Elements of electricity** (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1949.

### MOLLUSKS

see also Snails

**Australorbis glabratus, vector of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

### MOLUCCAS

**Moluccas** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

### MOMENTS OF INERTIA

**Experimental determination of moments of inertia and product of inertia** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

### MONEY

see also Currency question

**Your money's worth** (*Motion picture*) Federal Reserve Bank of Richmond, 1953. Made by Byron, inc.

### MONROE DOCTRINE

**American history II, lecture 2: The United States continues its policy of isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.

### MONTEVIDEO

**Montevideo family** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

MORALE

see also Military discipline; Psychological warfare; Psychology, Military; Soldiers —Recreation

**Absent without leave and desertion** (*Motion picture*) U. S. Dept. of the Army, 1948.

**Code of the fighting man** (*Motion picture*) U. S. Dept. of the Army, 1959.

**The Code: The U. S. fighting man's Code of conduct** (*Motion picture*) U. S. Dept. of Defense, 1959.

MORALS see Conduct of life

MORPHINE

**First aid use of morphine** (*Motion picture*) U. S. Navy Dept., 1959.

MORSE CODE

**The technique of hand sending** (*Motion picture*) Dept. of the Navy, 1944. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

MOSQUITOES

see also Aedes aegypti

**Bednetting, part 1** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Bednetting, part 2** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Chills and fever: Why?** (*Filmstrip*) U. S. Public Health Service, 1947.

**Identification of female anophelines of the United States** (*Filmstrip*) U. S. Public Health Service, 1946.

**Identification of some mosquitoes of public health importance** (*Filmstrip*) U. S. Public Health Service, 1952.

**Identification of U. S. genera of adult female mosquitoes** (*Filmstrip*) U. S. Public Health Service, 1948.

**Identification of U. S. genera of mosquito larvae** (*Filmstrip*) U. S. Public Health Service, 1947.

**Identification of U. S. species of Anopheles larvae** (*Filmstrip*) U. S. Public Health Service, 1950.

**Insect repellent, part 1** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Insect repellent, part 3** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Microdissection applied to mosquito identification** (*Filmstrip*) U. S. Public Health Service, 1953.

**Mosquito prevention in irrigated areas** (*Motion picture*) U. S. Public Health Service, 1955.

—EXTERMINATION

see also Aeronautics in mosquito control

**Biology and control of domestic mosquitoes** (*Motion picture*) U. S. Public Health Service, 1960.

**Breakbone fever, "dengue"** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Concrete ditching for malaria control** (*Motion picture*) U. S. Public Health Service, 1949.

**DDT as a mosquito larvicide** (*Motion picture*) U. S. Public Health Service, 1954.

**DDT as a mosquito larvicide** (*Filmstrip*) U. S. Public Health Service, 1947.

**Dynamite** (*Motion picture*) U. S. Public Health Service, 1944.

**Malaria control on Corsica** (*Motion picture*) U. S. War Dept., 1945.

**Malaria; guerra ao mosquito** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Mosquito survey techniques** (*Motion picture*) U. S. Public Health Service, 1958.

**Organized mosquito control** (*Motion picture*) U. S. Public Health Service, 1958.

**La pesta alada** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Winged scourge** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

—LARVAE

**Mosquito larval habitats** (*Filmstrip*) U. S. Public Health Service, 1958.

MOTHBALLING OF MILITARY SUPPLIES see Military supplies—Preservation

MOTION PICTURES see Moving-pictures

MOTOR-BOATS

see also Outboard motor-boats; Planing hulls

**Small boat disaster prevention** (*Motion picture*) U. S. Dept. of the Navy, 1951.

MOTOR BUS DRIVERS

**Passengers, driving hazards, safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

MOTOR BUSES

**Bus care and maintenance** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Bus care and maintenance** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his job** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his job** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his passengers** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and his passengers** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**The operator and safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

MOTOR GRADERS see Graders (Earthmoving machinery)

MOTOR-TRUCK TERMINALS

**Operation of truck terminals** (*Filmstrip*) U. S. Dept. of the Army, 1953.

MOTOR-TRUCKS

see also Truck trailers

**Introduction to preventive maintenance** (*Motion picture*) U. S. Office of Education, 1943. Made by Gene K. Walker Co.

**Introduction to preventive maintenance** (*Filmstrip*) U. S. Office of Education, 1943. Made by Gene K. Walker Co.

**Safe driving in bad weather. Part 2: Trucks and tractor-trailers** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Trailer 201** (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

MOTOR VEHICLE DRIVERS see Automobile drivers

MOTOR VEHICLES, AMPHIBIOUS

**Modern ordnance material: The M76 amphibious cargo carrier** (*Motion picture*) U. S. Dept. of the Army, 1954.

MOTOR VEHICLES IN WAR see Tanks (Military science); Transportation, Military

MOULDING (METAL) see Molding (Founding)

MOUNT VERNON

**Armed Forces screen magazine, no. 533** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

MOUNTAIN LIONS see Pumas

MOUNTAIN WARFARE

**Armed forces screen magazine, no. 506** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Exercise ski jump** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Infantry operations in mountains** (*Motion picture*) U. S. Dept. of the Army, 1954.

MOUNTAINS

**Helicopter: Mountain operations** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

MOUSE see Mice

MOUTH

see also Jaws; Lips; Teeth; Tongue

—CANCER

**Combined resection of tongue and floor of mouth with radical neck dissection** (*Motion picture*) U. S. Veterans Administration, 1958.

**Oral cancer: The problem of early diagnosis** (*Motion picture*) U. S. Public Health Service and American Cancer Society, 1960. Made by Audio Productions.

—DISEASES

**Diseases of the mouth** (*Filmstrip*) U. S. War Dept., 1943.

—SURGERY

**Aseptic procedure in oral surgery** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

**Combined resection of tongue and floor of mouth with radical neck dissection** (*Motion picture*) U. S. Veterans Administration, 1958.

**Excision of gingival hypertrophy** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Excision of mandibular tori** (*Motion picture*) U. S. Dept. of the Army, 1952.

—TUMORS

**Benign dental tumors** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Malignant oral tumors** (*Motion picture*) U. S. Dept. of the Army, 1950.

MOVING-PICTURE PROJECTION

**How to operate the Army 16mm sound projector set** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

MOVING-PICTURES

**Origins of the motion picture** (*Motion picture*) U. S. Dept. of the Navy, 1955.

MOVING-PICTURES IN INDUSTRY

**Using visual aids in training** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

MOWING-MACHINES

see also Harvesting machinery

**Reconditioning a mower. Part 1: Cutter bar** (*Motion picture*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a mower. Part 1: Cutter bar** (*Filmstrip*) U. S. Office of Education, 1943. Made by Calvin Co.

**Reconditioning a mower. Part 2: Drive system** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Reconditioning a mower. Part 2: Drive system** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

MUD MOUNTAIN DAM

**Mud Mountain Dam** (*Motion picture*) U. S. Army Engineers, 1956.

MULCHING

**Preventing wind erosion on the Great Plains: Stubble mulch farming** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

MUNICIPAL GOVERNMENT

—STUDY AND TEACHING

**Our town is our classroom** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

MUNITIONS

**A sharper sword and a stronger shield** (*Motion picture*) U. S. Dept. of the Army, 1959.

MUSCLES

see also Eye—Muscles

**Anatomy and physiology: The muscular system** (*Filmstrip*) U. S. Dept. of the Army, 1954.

MUSEUM OF SCIENCE AND INDUSTRY, CHICAGO see Chicago. Museum of Science and Industry

MUSEUMS FOR CHILDREN see Children's museums

MUSIC

see also Christmas music; Folk-songs; Symphony orchestras

**Symphony across the land** (*Motion picture*) U. S. Information Agency, 1959. Made by Trident Films. Released for public educational use in the United States through U. S. Office of Education, 1959.

MUSKETRY see Shooting, Military

MUTUAL SECURITY PROGRAM, 1951-

see also Technical assistance, American

**Pilots for NATO** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Soldiers of freedom** (*Motion picture*) U. S. Dept. of Defense, 1951.

**The story of MDAP** (*Motion picture*) U. S. Dept. of the Army, 1951.

MYCELIUM

**A mycological slide culture technique** (*Filmstrip*) U. S. Public Health Service, 1951.

MYCOSIS

see also Fungi, Pathogenic

**Mycosis fungoides** (*Motion picture*) U. S. Veterans Administration, 1952. Made by U. S. Dept. of Agriculture.

MYODYNAMICS see Muscles

## N

N A C A see U.S. National Advisory Committee for Aeronautics

N A T O see North Atlantic Treaty Organization

NAEVUS see Mole (Dermatology)

NAGANA see Trypanosomiasis

NAGASAKI

**The atom strikes** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

NARCOTICS

see also Morphine

**Investigation of narcotics offenses** (*Motion picture*) U. S. Dept. of the Army, 1958.

NATIONAL CHARACTERISTICS, AMERICAN

**American history 1, lecture 20: American society at the turn of the century** (*Motion picture*) U. S. Dept. of Defense, 1956.

**A free people** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

NATIONAL DANCES see Dancing—Folk and national dances

NATIONAL GALLERY OF ART see U.S. National Gallery of Art

NATIONAL GUARD (U.S.) see U.S.—National Guard

NATIONAL PARKS AND RESERVES

see also Forest reserves

**Patagonian playground** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

NATIONAL RESOURCES see Natural resources

NATIONAL SONGS, AMERICAN-

—HISTORY AND CRITICISM

**America (My country 'tis of thee)** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

NATO see North Atlantic Treaty Organization

NATURAL RESOURCES

see also Fisheries; Forests and forestry; Reclamation of land; Water resources development; Water-supply

**American history II, lecture 6: Problems of agriculture and conservation in an industrial economy** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Arizona and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Phelps Dodge Corp., 1953. Made by Frederick K. Rockett Co.

**California and its natural resources** (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.

**Idaho and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with the Richfield Oil Corp., 1950. Made by Norman Wright Productions.

**Missouri and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1950.

**Oklahoma and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1953.

**Oregon and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1951.

**The river** (*Motion picture*) U. S. Dept. of Agriculture, 1938. Made by Pare Lorentz.

**Washington and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1952.

**Wyoming and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

NAUTICAL ALMANACS

**The American nautical almanac for the year 1943** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1945.

NAUTICAL ASTRONOMY

see also Navigation; Time

**Nautical astronomy** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1945.

**Rude star identifier** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1945.

NAUTICAL CHARTS

**Charting activities of the U. S. Lake Survey** (*Motion picture*) U. S. Army Engineers, 1953.

**Charts** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1943.

**How to use navigational aids** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by George Pal Productions. Released for public educational use through U. S. Office of Education, 1948.

NAUTICAL INSTRUMENTS

**The fathometer** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Instruments used in piloting** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Steering** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

NAUTILUS (SUBMARINE, SSN 571)

**The Nautilus crosses the top of the world** (*Motion picture*) U. S. Information Agency, 1958. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1958.

**USS Nautilus: Operation sunshine** (*Motion picture*) U. S. Dept. of the Navy, 1959.

NAVAL AERONAUTICS see Aeronautics, Military

NAVAL AIR STATIONS see Air bases

NAVAL ART AND SCIENCE

see also Logistics, Naval; Military art and science; Navigation; Navy-yards and naval stations; Ordnance, Naval; Sea-power; Seamanship; Ship-building; Signals and signaling; Strategy; Submarine boats; Submarine warfare

**World wide naval operations in peace and war, 1915–1960** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Creative Arts Studio.

NAVAL AVIATION see U.S. Navy—Aviation

NAVAL BASES see Navy-yards and naval stations

NAVAL BOILERS see Steam-boilers, Marine

NAVAL CHAPLAINS see Chaplains, Military

NAVAL COMMUNICATIONS see Communications, Military

NAVAL CONSTRUCTION see Ship building

NAVAL COOKERY see Cookery, Marine

NAVAL DENTISTRY see Dentistry, Naval

NAVAL EDUCATION

**European cruise** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Learning by doing** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1950.

**Naval aviator. Part 1: Basic training** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Naval aviator. Part 2: Advanced training** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Navy man** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Ready for sea** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Trade training in the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**The training of the submarine medical officer** (*Motion picture*) U. S. Navy Dept., 1960. Made by Depicto Films.

NAVAL GUNNERY

see also Ballistics

**The naval gun at Okinawa** (*Motion picture*) U. S. Navy Dept., 1945. Made by Jam Handy Organization.

NAVAL HYGIENE

see also Medicine, Naval; Military hygiene; Ships—Sanitation

**The washdown countermeasure: Preventing radiological contamination of ships exposed to underwater atomic attack** (*Motion picture*) U. S. Dept. of the Navy, 1955.

NAVAL MEDICAL RESEARCH

**Naval medical research: A survey, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Naval medical research: A survey, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1953.

NAVAL RESEARCH

**Challenge in naval research** (*Motion picture*) U. S. Dept. of the Navy, 1957.

NAVAL SCHOOLS see Naval education

NAVAL SCIENCE see Naval art and science

NAVAL STATIONS see Navy-yards and naval stations

NAVAL STRATEGY see Strategy

NAVAL SURGERY see Surgery, Naval

NAVAL WARFARE see Naval art and science

NAVIGATION

see also Azimuth; Beacons; Buoys; Collisions at sea; Dead reckoning (Navigation); Electronics in navigation; Fog-signals; Harbors; Hydrographic surveying; Inland navigation; Lighthouses; Masts and rigging; Nautical almanacs; Nautical astronomy; Nautical charts; Nautical instruments; Naval art and science; Ocean currents; Pilots and pilotage; Rule of the road at sea; Seamanship; Ship-building; Shipwrecks; Sounding and soundings; Submarine boats; Tides; Winds

**The American nautical almanac for the year 1945** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

**The astronomical triangle** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

**Day's work of a navigator at sea** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

**Day's work of a navigator in pilot waters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

**Piloting, surface** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

**Relative movement. Part 1: Relative movement and interception** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

**Rules in fog** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

—PROBLEMS, EXERCISES, ETC.

**Dead reckoning: Plotting, and celestial lines of position** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

**Night piloting, surface** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

NAVIGATION (AERONAUTICS)

see also Radio direction finders

**Aerial map reading** (*Motion picture*) U. S. Navy Dept., 1944. Made by Springer Pictures. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Aerial navigation: Dead reckoning** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

**Aerial navigation: Map reading** (*Motion picture*) U. S. Army Air Forces, 1945.

**Air pilotage** (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Air swinging and curve data for the SCR-[illegible]** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Celestial guidance for fighter pilots** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Celestial instruments. Part 2: Aerial sextants** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Celestial sphere and time. Part 1: Celestial sphere** (*Filmstrip*) U. S. Army Air Forces, 1945. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Dead reckoning: air** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

**Dead reckoning instruments. Part 1: Driftmeters** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Elementary dead reckoning. Part 1: Earth's surface** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Grid navigation: Application of theory** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Grid navigation: Introduction and theory** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Interpretation of a single "leg"** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Jet flight planning** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Latitude by Polaris** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Loran: Basic principle of loran operation** (*Motion picture*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**Navigation and the weather** (*Filmstrip*) U. S. Civil Air Patrol, 1955.

**Orientation: The 90 degree method** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio compass equipment** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Radio navigation. Part 1: Introduction and aids to radio navigation** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Radio navigation. Part 2: Radio bearings** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Radio navigation: Bracketing an unknown beam** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Relative movement. Part 1: Relative movement and interception** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

**Relative movement. Part 2: Geographic sector search, relative sector** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1949.

**Time** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Time in the air** (*Motion picture*) U. S. Navy Dept., 1945. Made by Springer Pictures. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

**Wind and the navigator: In-flight analysis** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Wind and the navigator: Pre-flight planning** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

NAVIGATION, ELECTRONICS IN see Electronics in navigation

NAVIGATION, INLAND see Inland navigation

NAVIGATION CHARTS see Nautical charts

NAVIGATIONAL AIDS (AERONAUTICS) see Aids to air navigation

NAVY RELIEF SOCIETY

**Navy Relief Society** (*Motion picture*) U. S. Dept. of the Navy, 1951.

NAVY WIVES

**Mrs. United States Navy** (*Motion picture*) U. S. Dept. of the Navy, 1957.

NAVY-YARDS AND NAVAL STATIONS

**Master planning: Shore station development** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Charles Elms Productions.

**Naval shipyards serve the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1955.

—MAINTENANCE AND REPAIR

**Public works and public utilities: Controlled maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by De Frenes Co.

NEAR EAST

—POLITICS

**The dilemma of the U. S. foreign policy in the Middle East** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

**The Middle East problem with Dr. Charles Malik** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

NECK

**Masseter, temporal muscles and temporal fascia** (*Motion picture*) U. S. Veterans Administration, 1950.

NEEDLEWORK

see also Dressmaking

—IMPLEMENTS AND APPLIANCES

**Hand tools for fabric work** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1946.

NEGATIVES see Photography—Negatives

NEGROES

—EDUCATION

**Negro colleges in wartime** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

NEMATODA

see also Hookworms

**Fungi snare and destroy nematodes** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

NEOPLASMS see Tumors

NEOPRENE see Rubber, Artificial

NEPAL

**Himalayan awakening** (*Motion picture*) U. S. Information Agency, [illegible]. Made by Victor J. Jurgens. Released for public educational use in the United States through U. S. Office of Education.

NEPHROTOMY see Kidneys—Surgery

NERVES

see also Nervous system

—SURGERY

**Arterial disorders in the upper extremity and their treatment by sympathectomy** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Method of repair of posterior tibial nerve** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Neurorrhaphy of median and ulnar nerves in mid-arm** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Neurorrhaphy of median and ulnar nerves in the left forearm** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Partial neurorrhaphy of the sciatic nerve in the buttock** (*Motion picture*) U. S. War Dept., [illegible].

**Peripheral nerve surgery. Part 1: Sciatic nerve** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Peripheral nerve surgery: Exploration of sciatic nerve in the thigh** (*Motion picture*) U. S. Veterans Administration, [illegible].

**Peripheral nerve surgery: Neurolysis of the musculocutaneous nerve** (*Motion picture*) U. S. Veterans Administration, [illegible].

**Peripheral nerve surgery: Result following repair of the radial nerve in mid-third arm** (*Motion picture*) U. S. Veterans Administration, [illegible].

**Peroneal nerve anastomosis at the knee** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Transplantation and anastomosis of radial nerve** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Ulnar nerve and soft tissue defect and simultaneous repair in the forearm** (*Motion picture*) U. S. Dept. of the Army, [illegible].

—WOUNDS AND INJURIES

**The diagnosis of peripheral nerve injuries** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Neurorrhaphy of median and ulnar nerves in the left forearm** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Partial neurorrhaphy of the sciatic nerve in the buttock** (*Motion picture*) U. S. War Dept., [illegible].

**Peripheral nerve surgery. Part 1: Sciatic nerve** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Therapeutic exercise: Peripheral nerve injuries** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Tibial nerve anastomosis in the lower calf** (*Motion picture*) U. S. Dept. of the Army, [illegible].

NERVES, BRACHIAL

**Neurorrhaphy of median and ulnar nerves in the left forearm** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Transplantation and anastomosis of radial nerve** (*Motion picture*) U. S. Dept. of the Army, [illegible].

NERVES, FACIAL

**Parotid gland and facial nerve** (*Motion picture*) U. S. Veterans Administration, [illegible].

NERVOUS SYSTEM

see also Brain, Nerves, Reflexes, Shock, Spinal cord

**Functional syndromes with pronounced physical symptoms** (*Motion picture*) U. S. Public Health Service, [illegible].

**Nerve gases. Part 1: Field recognition and self-aid procedures** (*Motion picture*) U. S. Dept. of the Army, [illegible].

—DISEASES

see also Fear; Spondylotherapy

**Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states** (*Motion picture*) U. S. Public Health Service, [illegible].

**Disorders of the extra-pyramidal system and the posterior columns** (*Motion picture*) U. S. Public Health Service, [illegible].

—DISEASES—DIAGNOSIS

**General neurological examination and clinical signs of disorders of the pyramidal system** (*Motion picture*) U. S. Public Health Service, [illegible].

—SURGERY

see also Brain—Surgery; Nerves—Surgery

**Neurosurgery: Facial neuralgia** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Dynamic. Released for public educational use through U. S. Office of Education, [illegible].

NERVOUS SYSTEM, SYMPATHETIC

—SURGERY

**Lumbar sympathectomy (Ganglionectomy)** (*Motion picture*) U. S. Dept. of the Army, [illegible].

NETHERLANDS

**The Benelux countries** (*Motion picture*) U. S. Dept. of Defense, [illegible]. Made by U. S. Dept. of the Army.

**Introducing the Netherlands** (*Motion picture*) North Atlantic Treaty Organization, [illegible]. Made by [illegible], Amsterdam. Released in the United States by U. S. Dept. of State, [illegible].

NEURALGIA, FACIAL

**Neurosurgery: Facial neuralgia** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Dynamic. Released for public educational use through U. S. Office of Education, [illegible].

NEURONS see Nerves

NEUROPATHOLOGY see Nervous system —Diseases

NEUROSES

see also Medicine, Psychosomatic

**Irritability** (*Motion picture*) U. S. Navy Dept., [illegible].

NEUROSURGERY see Nervous system —Surgery

NEVADA

**Nevada and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., [illegible].

NEVUS see Mole (Dermatology)

NEW GUINEA

**New Guinea** (*Filmstrip*) U. S. Dept. of the Navy, [illegible]. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, [illegible].

NEW MEXICO, UNIVERSITY

**They major in missiles** (*Motion picture*) U. S. Dept. of the Army, [illegible].

NEW YORK (CITY)

—PUBLIC SCHOOLS

**A better tomorrow** (*Motion picture*) U. S. Office of War Information, Overseas Branch, [illegible]. Released for educational use in the United States through U. S. Office of Education, [illegible].

NEW YORK, INTERNATIONAL HOUSE

**International House** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by American Film Producers. Released for public educational use through U. S. Office of Education, [illegible].

NEW YORK, PUBLIC LIBRARY

**The impressionable years** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by Peter Elgar Productions. Released for educational use in the United States through U. S. Office of Education, [illegible].

NEW YORK (STATE) LEGISLATURE

**Japanese Diet members visit an American legislature** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by Warner News. Released for public educational use through U. S. Office of Education, [illegible].

NEW YORK HERALD TRIBUNE FORUM FOR HIGH SCHOOLS

**Herald tribune youth forum** (*Motion picture*) U. S. Dept. of State, [illegible]. Produced by RKO Pathe. Released for educational use in the United States through U. S. Office of Education, [illegible].

NEW YORK UNIVERSITY

**NYU television workshop** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by Murphy Lillis Productions. Released for public educational use through U. S. Office of Education, [illegible].

NEWSBOYS

**American newsboy** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, [illegible].

**Burroughs newsboy foundation** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by MPO Productions. Released for public educational use through U. S. Office of Education, [illegible].

NEWSPAPERS

see also Liberty of the press

**Small town editor** (*Motion picture*) U. S. Dept. of State, [illegible]. Made by Media Productions. Released for public educational use in the United States through U. S. Office of Education, [illegible].

NIAGARA FALLS

**Incredible cataract** (*Motion picture*) U. S. Army Engineers, [illegible].

**New look for Niagara** (*Motion picture*) U. S. Army Engineers, [illegible].

NIGHT SCHOOLS see Evening and continuation schools

NIGHT WATCHMEN see Watchmen

NIKE ROCKET

**Army's Nike guards Nation's Capital** (*Motion picture*) U. S. Dept. of Defense, [illegible].

**Missile master: AN/FSG-1 anti-aircraft defense system, engineering report no. [illegible]** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Nike Ajax** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**NIKE: For defense of America** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Nike for the defense of your community** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Nike: Guardian of the cities** (*Motion picture*) U. S. Dept. of the Army, [illegible].

NIXON, RICHARD MILHOUS, 1913-

**Vice-President Nixon, ambassador of friendship** (*Motion picture*) U. S. Information Agency, [illegible]. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, [illegible].

NOISE

**Medical aspects of high intensity noise: Ear defenses** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by De Frenes Co.

**Medical aspects of high intensity noise: General effects** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by De Frenes Co.

**Medical aspects of high intensity noise: Prevention of hearing losses** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by De Frenes Co.

**Submarine noise reduction: Bearings, care in installation** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Herbert Kerkow, Inc.

NON-DESTRUCTIVE TESTING

**Air Force non-destructive testing** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

NORTH AMERICAN AIR DEFENSE COMMAND

**O'er the ramparts** (*Motion picture*) U. S. Dept. of the Navy, 1959.

NORTH AMERICAN AVIATION, INC.

**Quality control** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

NORTH ATLANTIC TREATY, 1949

**Twelve nations sign North Atlantic pact** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

NORTH ATLANTIC TREATY ORGANIZATION

**Around this table** (*Motion picture*) U. S. Information Agency and North Atlantic Treaty Organization, 1953. Made by Cinetone Studios, Amsterdam. Released for public educational use in the United States through U. S. Office of Education, 1955.

**How healthy is NATO?** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**Miracle of promise** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**NATO: Action for defense** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

**NATO maneuver for peace** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**Why NATO** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

—ARMED FORCES

**U. S. weapons in combat** (*Motion picture*) U. S. Dept. of the Army, 1955.

NORWAY

**Introducing Norway** (*Motion picture*) North Atlantic Treaty Organization, 1955. Made by Norsk dokumentar film, Oslo. Released in the United States by U. S. Dept. of State, 1955.

NUCLEAR ENGINEERING

see also Atomic power; Radioisotopes

**The Argonaut** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

**Atoms for peace. Part 6: Training men for the atomic age** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

NUCLEAR FUSION, CONTROLLED see Controlled fusion

NUCLEAR PHYSICS

see also Atomic energy; Electrons; Radioactivity

**Atoms for peace. Part 6: Training men for the atomic age** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

**Fundamentals of radioactivity** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1954.

**The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

NUCLEAR POWER see Atomic power

NUCLEAR REACTORS

see also Army package power reactors; Boiling water reactors; Sodium graphite reactors

**BORAX: Construction and Operation of a Boiling Water Reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

**Construction of the Argonne research reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1956.

**Developing homogeneous reactors** (*Motion picture*) U. S. Atomic Energy Commission, 1956.

**The Naval Research Laboratory reactor** (*Motion picture*) U. S. Dept. of the Navy, 1956.

NUCLEAR WARFARE see Atomic warfare

NUCLEAR WEAPONS see Atomic weapons

NUMBERS, SIGNED see Signed numbers

NUMERICAL ROOTS see Roots, Numerical

NUREMBERG TRIAL OF MAJOR GERMAN WAR CRIMINALS, 1945–1946

**Nuremberg trials** (*Motion picture*) U. S. Dept. of Defense, 1949.

NURSES AND NURSING

see also Convalescence; Diet in disease; First aid in illness and injury; Hospitals; Infants—Care and hygiene; Practical nursing; Psychiatric nursing; Public health nursing; Sick; Surgical nursing

**Basic care of patients. Part 1: Cleaning the patient's unit and making an unoccupied bed** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Basic care of patients. Part 2: The bed bath** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Basic care of patients. Part 3: Making an occupied bed** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Basic care of patients. Part 5: Feeding the patient** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Basic care of patients. Part 7: Sterile technique** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Bathing the patient: Home care** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Bathing the patient: Home care** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Because she is there** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Care of the cardiac patient** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the cardiac patient** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the newborn baby: The nurse's role in instructing the parents** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

**Care of the newborn baby: The nurse's role in instructing the parents** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by John A. Haeseler.

**Care of the patient with diabetes mellitus: Complicated** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the patient with diabetes mellitus: Uncomplicated** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Care of the patient with diabetes mellitus: Uncomplicated** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Feeding the patient** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.

**Feeding the patient** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1944. Made by Willard Pictures.

**How to observe nursing activities, part 1** (*Motion picture*) U. S. Public Health Service, 1961.

**How to observe nursing activities, part 2** (*Motion picture*) U. S. Public Health Service, 1961.

**Hydrotherapy** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Hydrotherapy** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Nursing care with a Stryker frame** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Nursing in the tropics** (*Motion picture*) U. S. Dept. of the Army, 1942.

**Radiotherapy: High dosage treatment** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Radiotherapy: High dosage treatment** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Teaching crutch walking** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Teaching crutch walking** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Therapeutic uses of heat and cold. Part 1: Administering hot applications** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Therapeutic uses of heat and cold. Part 1: Administering hot applications** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

NUTRITION

see also Diet; Digestion; Food; Food habits; Metabolism; Vitamins

**El cuerpo humano** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**É facil comer bem** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Es facil comer bien** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Feeding farm animals** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**The human body** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Planning for good eating** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

—RESEARCH

**Better living through research** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

NUTRITION OF CHILDREN see Infants—Nutrition

NUTS (MACHINERY) see Bolts and nuts

# O

OCCUPATION, CHOICE OF see Vocational guidance

OCCUPATIONAL ACCIDENTS see Industrial accidents

OCCUPATIONAL THERAPY

**Introduction to occupational therapy** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Journey to reality** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

**Occupational therapy in problems of motion** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Prescription O. T.** (*Motion picture*) U. S. Veterans Administration, 1950.

**Recreational and occupational therapy** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Recreational and occupational therapy** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Time out: Occupational therapy in tuberculosis** (*Motion picture*) U. S. Dept. of the Army, 1949.

OCEAN

see also Icebergs; Sea-water; Sounding and soundings; Tides; Waves

**Military oceanography: Bathythermograph observations** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

**Military oceanography: Occupying an oceanographic station** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

OCEAN CURRENTS

**Tides and currents** (*Motion picture*) U. S. Coast and Geodetic Survey, 1955.

OCEAN TEMPERATURE

see also Bathythermograph

**Military oceanography: Occupying an oceanographic station** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

OCEAN TRANSPORTATION see Shipping

ODONTOLOGY see Teeth

OESOPHAGUS see Esophagus

OFFICE EQUIPMENT AND SUPPLIES

see also Dictating machines

**Maintenance of office machines** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

OFFICE MANAGEMENT

see also Personnel management

**Work simplification in the office** (*Motion picture*) U. S. Dept. of the Army, 1954.

OFFICE PROCEDURES

**Take a letter, please** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

OHIO

**The doctor** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

**The mechanic** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Produced by Julien Bryan. Released for educational use in the United States through U. S Office of Education, 1949.

**Ohio and its mineral resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Standard Oil Co. (Ohio), 1948.

**Ohio town** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

OHIO RIVER

**The Ohio River** (*Motion picture*) U. S. Army Engineers, 1947.

OHIO VALLEY

**This is your valley** (*Motion picture*) U. S. Army Engineers, 1956.

OHMMETER

**Volt ohmmeter operation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

OHM'S LAW

**Ohm's law** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

OIL see Petroleum

OIL HYDRAULIC MACHINERY

**The oil gear hydraulic traversing mechanism, principles of operation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

OIL WELL DRILLING

**U. S. naval Arctic operations: Exploring for oil** (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1949.

OILS AND FATS

see also Lubrication and lubricants; Petroleum

**Beltsville newsreel, no. 5** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Beltsville newsreel, no. 7** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

ŌISO, JAPAN. KAPAUN RETREAT HOUSE

**Kapaun Retreat House** (*Motion picture*) U. S. Dept. of the Army, 1957.

OKLAHOMA

**Oklahoma and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1953.

OLD IRONSIDES see Constitution (Frigate)

OLMECS

**Jungle quest for the great stone heads** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

OLYMPIC GAMES

**Armed Forces screen magazine, no. 202** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

OLYMPIC GAMES, HELSINGFORS, 1952

**1952 Olympic Games** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

OMPHALOCELE see Umbilicus—Hernia

ONIONS

**Hybrid onions** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Onions and more onions** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

OPEN FORUM see Forums (Discussion and debate)

OPERATIONS, SURGICAL

see also Postoperative care; Shock; Surgical nursing

**Basic care of patients. Part 8: Pre-operative care** (*Motion picture*) U. S. Dept. of the Army, 1957.

OPERATIONS RESEARCH

see also Research, Industrial

**Simulogs** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

OPERATIVE SURGERY see Surgery, Operative

OPHTHALMOMETRY see Eye—Examination

OPIATES see Narcotics

OPPANOL see Rubber, Artificial

OPTICAL INSTRUMENTS

see also Glass, Optical; Lenses; Microscope and microscopy

**Introduction to optics** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

OPTICAL MEASUREMENTS

**Measurement with light waves** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

**Measurement with light waves** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

OPTICAL TRADE

**Optical, production methods** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1945.

OPTICS

see also Light, Wave theory of; Radiation; Refraction

**Elementary optics in photography** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

**Introduction to optics** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1945. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1946.

ORAL COMMUNICATION

see also Speech

**Your audience, bless 'em** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

ORAL SURGERY see Mouth—Surgery

ORANGE

**Bite 'em and C** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

ORATORY

**Speech techniques** (*Motion picture*) U. S. Dept. of the Army, 1956.

ORCHARDS see Fruit-culture

ORCHIDS

**Orchids** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

ORDNANCE

see also Artillery; Atomic weapons; Ballistics; Gun-carriages; Gunnery; Howitzers; Machine-guns; Rocket launchers (Ordnance)

**Fire power** (*Motion picture*) U. S. Dept. of the Army, 1956.

ORDNANCE (Continued)

**Fundamentals of artillery weapons. Part 1: Types and components of cannon** (*Motion picture*) U. S. War Dept., 1944.

**Weapons of the artillery** (*Motion picture*) U. S. Dept. of the Army, 1953.

ORDNANCE, NAVAL

see also Naval gunnery

—MANUFACTURE

**The Naval Gun Factory** (*Motion picture*) U. S. Dept. of the Navy, 1952.

ORDNANCE TESTING

**Aberdeen proving ground** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**Report on Aberdeen Proving Ground** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

OREGON

**Northwest U. S. A.** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

**Oregon and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1951.

ORGANIZATION, INTERNATIONAL see International organization

ORGANIZATIONS, INTERNATIONAL see International cooperation; and names of individual international organizations, e. g. North Atlantic Treaty Organization

ORIENTAL ARTISTS see Artists, Oriental

ORIENTATION

**Direction, orientation, and location without a compass** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education, 1953.

**Map reading, basic: Azimuth conversion** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Direction** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Intersection** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Location** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Map reading, basic: Resection** (*Motion picture*) U. S. Dept. of the Army, 1957.

ORIZABA, MEXICO

**A town in old Mexico** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

OROGRAPHY see Mountains

ORTHODONTIC APPLIANCES see Dental instruments and apparatus

ORTHOPEDIA

**Therapeutic exercise: Orthopedics** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

ORTHOPEDIC APPARATUS

see also Artificial limbs; Crutches

**Teaching crutch walking** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Teaching crutch walking** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

OSCILLATORS, ELECTRIC

see also Magnetrons

**Circuit testing: Signal generators** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

**Oscillators** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1947.

OSCILLATORS, VACUUM-TUBE

**Audio oscillator operation** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

OSTEOLOGY see Bones

OSTEOPLASTY see Bone-grafting

OUTBOARD MOTOR-BOATS

**Common sense afloat** (*Motion picture*) U. S. Coast Guard, 1956.

OUTDOOR LIFE

see also Camping; Country life

**Philippine Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

**Survival in the South Pacific** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

OUTER SPACE

—EXPLORATION

**Holloman: Frontier of the future** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

OXYACETYLENE WELDING AND CUTTING

**The guided bend test** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**The guided bend test** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Manual cutting a bevel: Freehand** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Manual cutting a bevel: Freehand** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Manual cutting a shape: Freehand guided** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Manual cutting a shape: Freehand guided** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Manual cutting to a line: Freehand** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Manual cutting to a line: Freehand** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**The oxy-acetylene flame, master of metals** (*Motion picture*) U. S. Bureau of Mines in cooperation with International Acetylene Association, 1950.

**Oxy-acetylene welding: Light metal** (*Motion picture*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Oxy-acetylene welding: Light metal** (*Filmstrip*) U. S. Office of Education, 1944. Made by De Frenes & Co.

**Torch welding** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1948.

—SAFETY MEASURES see Welding—Safety measures

OXYGEN EQUIPMENT IN AEROPLANES see Aeroplanes—Oxygen equipment

OXYURIASIS

**Diagnosis of enterobiasis** (*Filmstrip*) U. S. Public Health Service, 1950.

OXYURIS VERMICULARIS

**Diagnosis of enterobiasis** (*Filmstrip*) U. S. Public Health Service, 1950.

OYSTER-CULTURE

**The production and processing of oysters** (*Motion picture*) U. S. Public Health Service, 1948.

**The production and processing of oysters** (*Filmstrip*) U. S. Public Health Service, 1948.

OYSTERS

**Food inspection: Oysters** (*Filmstrip*) U. S. Dept. of the Army, 1954.

## P

PACKAGED BUILDINGS see Buildings, Prefabricated

PACKAGING

see also Containers; Labels; Packing for shipment; Wrapping materials

**Packaging and packing: Method III** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, sub-method IIc, container barrier** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Use of salvaged packaging materials** (*Filmstrip*) U. S. Dept. of the Army, 1955.

**Packaging of evidence for transmittal to the Military Police Criminal Investigation Laboratories** (*Filmstrip*) U. S. Dept. of the Army, 1956.

PACKING (MECHANICAL ENGINEERING)

**Mechanical packing aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

**Pressure sealing** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

PACKING FOR SHIPMENT

see also Shipment of goods

**Packaging and packing: CONEX containers** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Determination of methods of preservation** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Fabrication of corrugated fiberboard cells and pads** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Fully sheathed crates** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Methods of preservation, method II** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Methods of preservation, sub-method IIb, container, barrier, container** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, sub-method IIc, cushioned item, bag** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Nailed wood boxes** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Strapping of military shipments** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Sub-method IIa, floating bag** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Self-sealing fuel cells: Packing, stowage and handling** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

PAINT

see also Corrosion and anti-corrosives

**Beltsville newsreel, no. 10** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Beltsville newsreel, no. 11** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

PAINT SPRAYING see Spray painting

PAINTINGS, AMERICAN

**American painting in history** (*Filmstrip*) U. S. National Gallery of Art, 1959.

PALATE

**Intra-oral and pharyngeal structures and their movements** (*Motion picture*) U. S. Veterans Administration, 1951.

PALEOANTHROPOLOGY see Man, Prehistoric

PALLETIZED CARGO SYSTEMS see Unitized cargo systems

PALSY see Paralysis

PAN AMERICAN GAMES, CHICAGO, 1959

**I & E screen magazine, no. 573** (*Motion picture*) U. S. Dept. of Defense, 1959.

PAN AMERICAN GAMES, MEXICO (CITY) 1955

**Armed Forces screen magazine, no. 536** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

PAN-AMERICANISM

see also Monroe doctrine

**American history II, lecture 9: America's relations with her neighbors to the south** (*Motion picture*) U. S. Dept. of Defense, 1958.

PANAMA

**Panama** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

PANAMA CANAL

**Floating drydocks: Careening the YFD-6** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1952.

PANCREAS

**Embryology of the liver, gallbladder, and pancreas** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

PANGENESIS see Reproduction

PARACHUTE TROOPS

**Assembly of an airborne unit** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Duties of a jumpmaster** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Personnel loading capabilities of the C-130 aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

PARACHUTES

see also Airdrop

**Aviation machinist's mate: Parachute responsibilities** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1948.

**Smokejumper training: Part 1: Indoctrination** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Smokejumper training. Part 2: Ground training** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

—TESTING

**Wind-tunnel tests of opening characteristics of various baseball-type hemispherical parachutes** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

PARACHUTING

**Duties of a jumpmaster** (*Motion picture*) U. S. Dept. of the Army, 1955.

PARAGUAY

**Paraguay** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PARALYSIS

**Functional syndromes with pronounced physical symptoms** (*Motion picture*) U. S. Public Health Service, 1938.

**Journey back** (*Motion picture*) U. S. Veterans Administration, 1949.

PARAPLEGIA

**What's my score?** (*Motion picture*) U. S. Veterans Administration, 1947. Made by U. S. Dept. of Agriculture.

PARASITES

see also Bacteriology; Fungi, Pathogenic; Insects, Injurious and beneficial; Worms, Intestinal and parasitic

**Egg and miracidia of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

**The life cycle of a malaria parasite** (*Filmstrip*) U. S. Public Health Service, 1948.

—BLOOD see Blood—Parasites

—SWINE

**Ascariasis (Infestation with ascarids)** (*Motion picture*) U. S. Dept. of the Army, 1949.

PARATROOPS see Parachute troops

PARESIS see Paralysis

PARICUTÍN (VOLCANO)

**Paricutin** (*Motion picture*) U. S. Dept. of the Air Force, 1949.

PARLIAMENTARY PRACTICE

**How to conduct a meeting** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

PAROTID GLANDS

**Parotid gland and facial nerve** (*Motion picture*) U. S. Veterans Administration, 1957.

PARQUE NACIONAL DE NAHUEL HUAPÍ, ARGENTINE REPUBLIC

**Patagonian playground** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PASSIONS see Emotions

PASSPORTS

**Passport [illegible]** (*Motion picture*) U. S. Information Agency, 1957. Made by Tangent Films. Released for public educational use in the United States through U. S. Office of Education.

PASTEURIZATION OF MILK see Milk—Pasteurization

PASTURES

see also Grasses, Grazing

**Comida abundante para todos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Extra feeding pays** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Grass** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Preventing wind erosion on the Great Plains: Range grazing practices** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Produza mais alimentos** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

PATENTS

see also Inventions

**Patents and Air Force research and development** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

PATHOLOGICAL BOTANY see Plant diseases

PATHOLOGICAL HISTOLOGY see Histology, Pathological

PATHOLOGY, COMPARATIVE

**Demonstration of Cushing's experiment in the dog** (*Motion picture*) U. S. Dept. of the Army, 1949.

PATHOLOGY, DENTAL see Teeth—Diseases

PATHOLOGY, EXPERIMENTAL

**Behavioral changes following paleocortical injury in rodents, carnivores, and primates** (*Motion picture*) U. S. Dept. of the Army, 1953.

PATHS see Trails

PATIENCE

**Patience** (*Motion picture*) U. S. Dept. of the Army, 1959.

PATIENTS see Sick

PATRIOTISM

see also Loyalty

**Code of conduct. Article 1: Our heritage** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Patriotism** (*Motion picture*) U. S. Dept. of the Army, 1959.

PATTERN-MAKING

see also Laying-out (Machine-shop practice); Molding (Founding); Sheet-metal work—Pattern-making

**Designing a pattern for a water-cooled motor block** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Designing a pattern for a water-cooled motor block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Designing core boxes for a water-cooled motor block** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Designing core boxes for a water-cooled motor block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Étude d'un modèle pour un bloc de moteur refroidi a l'eau** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle avec un noyau à renflement** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle avec un noyau horizontal** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle avec un noyau vertical** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle avec une portée à talon** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle, de boîtes à noyaux, et assemblage de noyaux pour un bloc de moteur refroidi à l'eau** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle exigeant la construction d'un châssis** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle exigeant la construction segmentaire** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle plat d'une pièce** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle pour un coude de tuyau à brides** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle pour un moule en trois parties** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle segmenté** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'un modèle utilisant un noyau de sable vert et un noyau de sable sec** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'une boîte a noyaux pour un coude de tuyau à brides** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'une boîte à noyaux pour un noyau vertical** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'une boîte à noyaux pour une base de machine** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'une boîte à noyaux pour une portée à talon** (*Motion picture*) U. S. Office of Education, 1955.

**Fabrication d'une plaque-modèle** (*Motion picture*) U. S. Office of Education, 1955.

### PATTERN-MAKING (Continued)

**Fabrication du modèle d'une soupage sphérique d'équerre en acier, moulée mécaniquement** (*Motion picture*) U. S. Office of Education, 1955.

**Making a core box for a flanged pipe elbow** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a core box for a flanged pipe elbow** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a core box for a machine base** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a core box for a machine base** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a core box for a tail print** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a core box for a tail print** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a core box for a vertical core** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a core box for a vertical core** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a matchboard pattern** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a matchboard pattern** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a one-piece flat pattern** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a one-piece flat pattern** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a pattern for a flanged pipe elbow** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern for a flanged pipe elbow** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern for a machine molded steel globe and angle valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern for a machine molded steel globe and angle valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern for a three-part mold** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern for a three-part mold** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern requiring box construction** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern requiring box construction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern requiring cover core** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern requiring cover core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern requiring segmental construction** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern requiring segmental construction** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern using a green and a dry sand core** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern using a green and a dry sand core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making a pattern with a horizontal core** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern with a horizontal core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern with a tail print** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a pattern with a tail print** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Making a pattern with a vertical core** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a pattern with a vertical core** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a segmented pattern** (*Motion picture*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making a segmented pattern** (*Filmstrip*) U. S. Office of Education, 1945. Made by Photo & Sound.

**Making pattern, core boxes, and assembling cores for a water-cooled motor block** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Making pattern, core boxes, and assembling cores for a water-cooled motor block** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Redesigning a pattern for production purposes** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Redesigning a pattern for production purposes** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Reprise de l'étude d'un modèle pour fin de production en série** (*Motion picture*) U. S. Office of Education, 1955.

### PAVEMENTS

**see also** Air bases—Runways; Airports—Runways

**The construction of a portland-cement concrete airfield pavement** (*Motion picture*) U. S. Army Engineers, 1955.

### PAVEMENTS, ASPHALT

**Airfield flexible pavement** (*Motion picture*) U. S. Army Engineers, 1955.

### PAVEMENTS, CONCRETE

**Better dummy joints** (*Motion picture*) U. S. Army Engineers, 1956.

**Bonded thin concrete resurfacing** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

### PEACE

**see also** Arbitration, International; Security, International

**Road to peace** (*Motion picture* ) U. S. Dept. of the Army, 1951. Made by Bill Sturm Studios. Released for public educational use through U. S. Office of Education, 1952.

### PEACH

**Freezing strawberries and peaches** (*Filmstrip*) U. S. Dept. of Agricultre, 1953.

**It's a peach** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

### PEAR

**Good things come in pears** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

### PEARL HARBOR, ATTACK ON, 1941

**The Air Force story: The air war starts, 1939-1941** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

### PEDOLOGY (CHILD STUDY) see Child study

### PELORUS

**The azimuth circle and pelorus** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

### PERCEPTION

**see also** Space-perception

**Demonstrations in perception** (*Motion picture*) U. S. Dept. of the Navy, 1951.

### PERICARDITIS

**Early pericardiectomy in tuberculous pericarditis** (*Motion picture*) U. S. Veterans Administration, 1957.

**Pericardiectomy for chronic constrictive pericarditis** (*Motion picture*) U. S. Veterans Administration, 1957.

### PERICARDIUM

#### —FOREIGN BODIES

**Foreign bodies in the pericardium and heart** (*Motion picture*) U. S. War Dept., 1946.

#### —SURGERY

**Early pericardiectomy in tuberculous pericarditis** (*Motion picture*) U. S. Veterans Administration, 1957.

### PERIODICAL CICADA

**Cicada** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

**The cicada** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

### PERITONEUM

#### —RADIOGRAPHY

**Presacral pneumonography** (*Motion picture*) U. S. Dept. of the Army, 1954.

### PERSEVERANCE (ETHICS)

**Perseverance** (*Motion picture*) U. S. Dept. of the Army, 1959.

### PERSHING, JOHN JOSEPH, 1860-1948

**General Pershing** (*Motion picture*) U. S. Dept. of Defense, 1948.

**John J. Pershing** (*Motion picture*) U. S. Dept. of Defense, 1960.

### PERSIA see Iran

### PERSONAL HYGIENE see Hygiene

### PERSONAL LIBERTY see Liberty

### PERSONALITY, DISORDERS OF

**The difficult ones. Part 1: Psychiatric problems met by the contact representative** (*Filmstrip*) U. S. Veterans Administration, 1946.

**The difficult ones. Part 2: Their effect on the contact representatives** (*Filmstrip*) U. S. Veterans Administration, 1946.

**The difficult ones. Part 3: Getting help for the veterans with emotional problems** (*Filmstrip*) U. S. Veterans Administration, 1946.

**Your job and the psychiatric patient. Part 1: The psychiatric patient** (*Filmstrip*) U. S. Veterans Administration, 1947.

**Your job and the psychiatric patient. Part 2: How the patient may affect the attendant** (*Filmstrip*) U. S. Veterans Administration, 1947.

**Your job and the psychiatric patient. Part 3: The attendant helps the patient** (*Filmstrip*) U. S. Veterans Administration, 1947.

### PERSONNEL ADMINISTRATION see Personnel management

### PERSONNEL CLASSIFICATION see Job analysis

### PERSONNEL MANAGEMENT

**see also** Discrimination in employment; Employees, Training of; Foremen; Interviewing; Job analysis; Suggestion systems; Supervision of employees

**Developing cooperation** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

**Discipline: Giving orders** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

**Discipline: Reprimanding** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

**Employing blind workers in industry** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

**Every minute counts** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

**Instructing the blind worker on the job** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1944. Made by Caravel Films.

PERSONNEL MANAGEMENT (Continued)

**Instructing the worker on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Introducing the new worker to his job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**The job breakdown** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**Kinda give it your personal attention** (*Filmstrip*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

**Maintaining good working conditions** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

**Maintaining quality standards** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

**A new supervisor takes a look at his job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Placing the right man on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Stop, look, and question** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**The supervisor as a leader, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Teamwork and you** (*Motion picture*) U. S. Dept. of Defense, 1950.

**Working with other supervisors** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

PERU

**Peru** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1945. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Peru's coastal region** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PESTICIDES

see also Herbicides; Insecticides

—TOXICOLOGY

**Health hazards of pesticides** (*Motion picture*) U. S. Public Health Service, 1958.

PESTILENCES see Epidemics

PESTS

see also Agricultural pests, Household pests; Insects, Injurious and beneficial; Parasites

—EXTERMINATION

**Shipboard pest control** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Depicto Films Corp.

PETROLEUM

**California and its natural resources** (*Motion picture*) U. S. Bureau of Mines with the cooperation of the Richfield Oil Corp., 1952.

**Lubrication** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1942.

**Wyoming and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

—GEOLOGY

**U. S. naval Arctic operations: Exploring for oil** (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1949.

—STORAGE

**Conversion from black oil to Diesel fuel: Navy improved method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Conversion from black oil to gasoline: Navy chemical method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Maintenance tank cleaning: Butterworth method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Petroleum supply point operations** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

—WELL BORING see Oil well drilling

PETROLEUM INDUSTRY AND TRADE

**The evolution of the oil industry** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1952.

**Petroleum and its uses** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1952.

—SAFETY MEASURES

**Petroleum supply point operations** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

PHILANTHROPY see Social service

PHILIPPINE ISLANDS

**Philippine Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

**The Philippines** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

PHILIPPINE SEA, BATTLES OF THE, 1944

**The Battle of Leyte** (*Motion picture*) U. S. Dept. of the Army, 1951.

**Battle of Leyte: Brought to action** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by U. S. Office of Strategic Services.

PHOTOCOPY see Blue-prints

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC SENSITOMETRY

**Light-sensitive materials** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

PHOTOGRAPHIC SURVEYING

**Topographic mapping by photogrammetric methods** (*Motion picture*) U. S. Geological Survey, 1957.

PHOTOGRAPHY

see also Cameras; Lenses, Photographic

**Analysis of the effect of focal plane shutter on photographs recorded with the NACA high-speed camera** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

**Farm photography** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

—APPARATUS AND SUPPLIES

**The basic camera** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—DEVELOPING AND DEVELOPERS

**Developing the negative** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

**Light-sensitive materials** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

**Printing the positive** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—EXHIBITIONS

**The family of man** (*Motion picture*) U. S. Information Agency, 1955. Released for public educational use in the United States through U. S. Office of Education, 1955.

—LIGHTING

**Elementary optics in photography** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—NEGATIVES

**Negative scribing** (*Motion picture*) U. S. Geological Survey, 1953.

—PORTRAITS—LIGHTING AND POSING

**Basic portraiture lighting** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Released for public educational use through U. S. Office of Education, 1951.

—PRINTING PROCESSES

**Printing the positive** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1950.

—SCIENTIFIC APPLICATIONS

see also Radiography

**Navy photography in science** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by De Frenes.

PHOTOGRAPHY, AERIAL

**Fighter photo, eyes of the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Multiplex mapping, part 2** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public education use, 1956.

PHOTOGRAPHY, ARTISTIC

**The photographer** (*Motion picture*) U. S. Dept. of State, 1948. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

PHOTOGRAPHY, BALLISTIC

**Care and operation of gun cameras** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1948.

PHOTOGRAPHY, MILITARY

**Navy photography in intelligence** (*Motion picture*) U. S. Dept. of the Navy, 1948. Released for public educational use through U. S. Office of Education, 1948.

**Role of the combat cameraman** (*Motion picture*) U. S. Dept. of Defense [illegible]

PHOTOTOPOGRAPHY see Photographic surveying

PHTHISIS see Tuberculosis

PHYSICAL CAPACITY see Physical fitness —Testing

PHYSICAL EDUCATION FOR WOMEN

**Physical fitness for Waves: Make-up from the neck down** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

PHYSICAL FITNESS

—TESTING

**Experimental diving unit: Evaluation of physical fitness by one step-up test** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1946.

**Navy standard physical fitness test** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use through U. S. Office of Education, 1946.

PHYSICAL MEASUREMENTS

see also Electric measurements

**Understanding the physical world through measurement** (*Motion picture*) U. S. National Bureau of Standards, 1957.

PHYSICAL THERAPY

see also Hydrotherapy; Massage; Occupational therapy; X-rays—Therapeutic use

**Hospital zone: Men at work** (*Filmstrip*) U. S. Veterans Administration, 1948.

**Resistive exercises in physical therapy for thoracoplasty** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

**Therapeutic exercise: Introduction** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

**Therapeutic exercise: Orthopedics** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

PHYSICALLY HANDICAPPED

see also Amputees; Blind; Crutches; Deaf

—REHABILITATION

see also Occupational therapy

**Journey back** (*Motion picture*) U. S. Veterans Administration, 1949.

**A new beginning** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1952.

**Prescription for work** (*Motion picture*) U. S. Veterans Administration, 1949.

**Who's handicapped** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

PHYSICIANS

see also Medicine as a profession

**The doctor** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

PHYSICS, NUCLEAR see Nuclear physics

PHYSIOLOGICAL DATA TRANSMISSION see Telemeter (Physiological apparatus)

PHYSIOLOGY

see also Body temperature; Bones; Digestion; Lymphatics; Metabolism; Muscles; Nervous system; Nutrition; Pregnancy; Reproduction; Respiration

**The body, part 1** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1949.

**The body, part 2** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1949.

PHYSIOLOGY, COMPARATIVE

see also Laboratory animals; Veterinary physiology

**General adaptation syndrome** (*Motion picture*) U. S. Dept. of the Army, 1951.

PHYSIOLOGY OF FLIGHT see Flight —Physiological aspects

PHYSIOTHERAPY see Physical therapy

PICKLING see Canning and preserving

PICNIC GROUNDS

**Woodland manners** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

PICTORIAL PHOTOGRAPHY see Photography, Artistic

PICTURE GALLERIES see Art—Galleries and museums

PICTURE POSTERS see Posters

PIERS

**Advance base waterfront construction: Timber piers** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by International Movie Producers' Service. Released for public educational use through U. S. Office of Education, 1954.

PIG PENS see Swine houses and equipment

PIGS see Swine

PILING (CIVIL ENGINEERING)

**Pile testing** (*Motion picture*) U. S. Army Engineers, 1954.

PILOT CHARTS see Nautical charts

PILOTLESS AIRCRAFT see Guided missiles

PILOTS AND PILOTAGE

see also Navigation

**Day's work of a navigator in pilot waters** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by General Films. Released for public educational use through U. S. Office of Education, 1950.

**Test** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

PINCHOT, GIFFORD, 1865-1946

**The greatest good** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

PINE

see also Longleaf pine

**Southern pines pay** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

PINEAPPLE

**Agricultural engineering—the profession with a future** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1950.

PINTA

**Pinta** (*Motion picture*) U. S. Dept. of the Army, 1948.

PIONEER LIFE see Frontier and pioneer life

PIPE-FITTING

see also Marine pipe-fitting; Plumbing

**Cutting and threading pipe by hand** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Cutting and threading pipe by hand** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Cutting and threading pipe on a power machine** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Cutting and threading pipe on a power machine** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Installing valves in engine room systems, part 1** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

**Installing valves in engine room systems, part 1** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

**Installing valves in engine room systems, part 2** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

**Installing vitreous fixtures** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Installing vitreous fixtures** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Laying out and installing hangers** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Laying out and installing hangers** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Making a cold bend on a hand powered machine** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Making a cold bend on a hand powered machine** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Making a hot bend** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Making a hot bend** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

**Making a wire template** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Making a wire template** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Verafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Measuring pipe, tubing, and fittings** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Measuring pipe, tubing, and fittings** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Pipe fabrication with jigs** (*Motion picture*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Pipe fabrication with jigs** (*Filmstrip*) U. S. Office of Education, 1944. Made by Gene K. Walker.

**Removing a section of piping aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

PIPE-FITTING, MARINE see Marine pipe-fitting

PIPE LINES

**Alaska pipeline** (*Motion picture*) U. S. Army Engineers, 1956.

**Laying pipelines** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Military pipeline system: CBI theater** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Operation and maintenance of pipeline systems** (*Motion picture*) U. S. Dept. of the Army, 1954.

PIPE THREADS see Screw-threads

PIPETTES

**The pipette** (*Filmstrip*) U. S. Public Health Service in cooperation with Biological Laboratories, U. S. Army Chemical Corps, 1951.

PISTONS

**Application of Pascal's law, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1947.

**Benchwork, part 4** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Cylinder head and piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Inspecting and reconditioning piston assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning piston assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspection of piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Installation of liner and piston** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

**Liner and piston** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Piston and liner removal** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

PISTONS (Continued)

**Pistons and rods** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1946.

**Reassembly of piston** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Essar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1946.

**Removal of pistons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1946.

**Replacement of pistons** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1946.

PLAGUE

**Plague control** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1946.

PLANING HULLS

**Hydrofoil craft: Principles and representative experimental craft** (*Motion picture*) U. S. Dept. of the Navy, 1956.

PLANING-MACHINES

see also Jointer (Woodworking machine); Shapers

**Planers** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Planing a dovetail slide** (*Motion picture*) U. S. Office of Education, 1945. Made by Bay-Bell Films.

**Planing a dovetail slide** (*Filmstrip*) U. S. Office of Education, 1945. Made by Bay-Bell Films.

**Planing a flat surface** (*Motion picture*) U. S. Office of Education, 1945. Made by Herfilms.

**Planing a flat surface** (*Filmstrip*) U. S. Office of Education, 1945. Made by Herfilms.

**Planing rough surfaces to dimensions** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Planing rough surfaces to dimensions** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Rabotage de surfaces rugueuses à certaines dimensions** (*Motion picture*) U. S. Office of Education, 1951.

PLANS see Maps

PLANT DISEASES

see also Fungi in agriculture; Insects as carriers of plant diseases; Rusts (Fungi)

**The hidden menace** (*Motion picture*) U. S. Dept. of Agriculture, 1938.

**The nature of plant diseases** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of West Virginia University, 1950.

PLANTING see Gardening; Landscape gardening; Tree planting

PLASTER CASTS

**Casts and molds** (*Filmstrip*) U. S. Dept. of the Army, 1953.

PLASTER CASTS, SURGICAL

**Plaster casts** (*Motion picture*) U. S. War Dept., 1945.

PLASTIC SURGERY see Surgery, Plastic

PLASTICS

see also Gums and resins; Reinforced plastics; Rubber, Artificial

**Compression molding. Part 1: Preparing the charge and loading the mold** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Compression molding. Part 1: Preparing the charge and loading the mold** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Compression molding. Part 2: Molding a simple part** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Compression molding. Part 2: Molding a simple part** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Finishing molded parts** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Finishing molded parts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Injection molding. Part 1: Setting up the press and molding a part** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Injection molding. Part 1: Setting up the press and molding a part** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Injection molding. Part 2: Cleaning and servicing the press** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Injection molding. Part 2: Cleaning and servicing the press** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Machining laminated plastics** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Machining laminated plastics** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Origin and synthesis of plastics materials** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Origin and synthesis of plastics materials** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Semiautomatic and hand molding of intricate parts** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Semiautomatic and hand molding of intricate parts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

**Transfer molding: Molding a part with inserts** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Transfer molding: Molding a part with inserts** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

—MOLDING

**Methods of processing plastics materials** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Methods of processing plastics materials** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

PLAY

see also Hobbies; Recreation; Sports

**Children in kitchens** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with the Woman's College and the Agricultural Experiment Station of the University of North Carolina. Released by the U. S. Dept. of Agriculture, 1958.

PLEURA

—DISEASES

**Hemothorax with a consideration for specific remedial breathing exercises** (*Motion picture*) U. S. War Dept., 1946.

PLEURISY

**Decortication in the treatment of tuberculous pleuritis** (*Motion picture*) U. S. Dept. of the Army, 1952.

PLEXIGLAS

**Maintenance of plexiglass and lucite** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

PLIERS

**Pliers and screw drivers** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

PLOEŞTI, RUMANIA

**Air siege** (*Motion picture*) U. S. Dept. of the Air Force, 1947.

PLOWS

**Reconditioning a two-bottom tractor plow** (*Motion picture*) U. S. Office of Education, 1945. Made by Calvin Co.

**Reconditioning a two-bottom tractor plow** (*Filmstrip*) U. S. Office of Education, 1945. Made by Calvin Co.

PLUMBING

see also Pipe-fitting; Sanitary engineering; Sanitation, Household; Solder and soldering; Water-pipes

**An introduction to backsiphonage and cross connections** (*Filmstrip*) U. S. Public Health Service, 1957.

—TESTING

**Inspection of plumbing and piping** (*Motion picture*) U. S. Office of Education, 1946. Made by Jamison Film Co.

**Inspection of plumbing and piping** (*Filmstrip*) U. S. Office of Education, 1946. Made by Jamison Film Co.

**Towards a uniform plumbing code** (*Motion picture*) U. S. Housing and Home Finance Agency, 1949. Made by U. S. Dept. of Agriculture.

PLYWOOD

**Building a box beam spar** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Building a box beam spar** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Building a wooden rib** (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

**Building a wooden rib** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Laying out and forming plywood** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Laying out and forming plywood** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Patching plywood** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Patching plywood** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Wing assembly: The bow tip** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The bow tip** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The inboard panel** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The inboard panel** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The nose section** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The nose section** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

PNEUMOMASSAGE see Massage

PODIATRY see Chiropody

POINT FOUR PROGRAM see Technical assistance, American

POINTS OF THE COMPASS see Cardinal points

POISON GAS see Gases, Asphyxiating and poisonous

POISONS, ECONOMIC see Pesticides

POLAR REGIONS

see also Antarctic regions; Arctic regions

**Survival on the ice cap** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

POLE-STAR

**Latitude by Polaris** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

POLISHING see Grinding and polishing

POLITICAL ECONOMY see Economics

POLITICAL REFUGEES see Refugees, Political

POLLUTION OF WATER see Water—Pollution

PONDS, FARM see Farm ponds

PONTOON-BRIDGES

**Pontoon causeway in amphibious operations** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

**Pontoon drydock** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

**Pontoon structures** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

**The pontoon unit** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

POPILLIA JAPONICA see Japanese beetle

PORK

**Beltsville newsreel, no. 17** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Curing pork country style** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Pork on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

PORTO RICO see Puerto Rico

PORTS see Harbors

PORTUGAL

**Introducing Portugal** (*Motion picture*) North Atlantic Treaty Organization, 1958. Made by Europa cinefilm, Rome. Released in the United States by U. S. Dept. of State.

**Portugal** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

POSITIVE AND NEGATIVE NUMBERS see Signed numbers

POSTAL SERVICE

see also Highway post offices; Railway mail service

**Pigeon holes and progress** (*Motion picture*) U. S. Post Office Dept., 1950. Made by Vogue Wright.

—EMPLOYEES

**Five keys** (*Motion picture*) U. S. Post Office Dept., 1958. Made by Byron, inc.

**Window clerk meets the public** (*Motion picture*) U. S. Post Office Dept., 1954. Made by U. S. Dept. of Agriculture.

POSTAL TELEGRAPH see Telegraph

POSTERS

**Posters teach nutrition around the world** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

POSTOPERATIVE CARE

**Basic care of patients: Part 9: Postoperative care** (*Motion picture*) U. S. Dept. of the Army, 1957.

POTATO FLAKES

**Beltsville newsreel, no. 15** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

POTATOES

**Potatoes are appealing** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

POTENTIAL, ELECTRIC see Electric currents

POTOMAC RIVER NAVAL COMMAND see U.S. Navy. Potomac River Naval Command

POTTERY

**Made in occupied Japan** (*Motion picture*) U. S. Dept. of the Army, 1949.

POULTRY

see also Cookery (Poultry); Eggs—Production; Turkeys

**Cull for profit** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with Texas Agricultural Extension Service, 1951.

**Know the poultry you buy** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Poultry and Egg National Board, 1958.

**Today's chicks** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**[illegible] hen's egg** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

—GRADING

**U. S. standards for quality of ready-to-cook poultry** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

POULTRY, DRESSING OF

**Canning chicken** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**Poultry hygiene: Operating procedures** (*Filmstrip*) U. S. Public Health Service, 1956.

**Poultry hygiene: Refrigeration** (*Filmstrip*) U. S. Public Health Service, 1956.

POULTRY BREEDING

**Magic chicken** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Selecting hens for egg production** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Selecting hens for egg production** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

POULTRY INDUSTRY

**Public health aspects of poultry processing** (*Motion picture*) U. S. Public Health Service, 1958.

POULTRY PLANTS

**Poultry hygiene: Plant layout and construction** (*Filmstrip*) U. S. Public Health Service, 1956.

—SANITATION

**Poultry hygiene: Operating procedures** (*Filmstrip*) U. S. Public Health Service, 1956.

**Poultry hygiene: Plant layout and construction** (*Filmstrip*) U. S. Public Health Service, 1956.

**Poultry hygiene: Refrigeration** (*Filmstrip*) U. S. Public Health Service, 1956.

**Poultry hygiene: Waste disposal, clean-up, and basic sanitation** (*Filmstrip*) U. S. Public Health Service, 1956.

**Poultry processing inspection** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Public health aspects of poultry processing** (*Motion picture*) U. S. Public Health Service, 1958.

POWDER METALLURGY

see also Heat resistant alloys

**Powder metallurgy. Part 1: Principles and uses** (*Motion picture*) U. S. Office of Education, 1943. Made by Audio Productions.

**Powder metallurgy. Part 2: Manufacture of porous bronze bearings** (*Motion picture*) U. S. Office of Education, 1943. Made by Audio Productions.

POWDERED MILK see Milk, Dried

POWELLIZED TIMBER see Wood—Preservation

POWER (MECHANICS)

see also Electric power; Force and energy; Machinery; Power transmission; Steam

**Understanding the physical world through measurement** (*Motion picture*) U. S. National Bureau of Standards, 1957.

POWER-BOATS see Motor-boats

POWER DISTRIBUTION, ELECTRIC see Electric power distribution

POWER FARMING see Farm mechanization

POWER-PLANTS, STEAM see Steam-power plants

POWER TRANSMISSION

see also Cables; Electric power distribution; Gearing; Machinery; Oil hydraulic machinery Pulleys

**Ships' propulsion transmission systems: Clutches and couplings** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.

PRACTICAL NURSING

**Enemas** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

**Oral medications** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNANCY

**Como cuidar de crianças** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Conselhos para as mães** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Cuidado de la madre** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**El cuidado del niño** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Infant care** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Wise parents, healthy babies** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

PREHISTORIC MAN see Man, Prehistoric

PREJUDICES AND ANTIPATHIES

**With malice toward none** (*Motion picture*) U. S. Dept. of the Army, 1957.

PRESERVATION OF HISTORICAL RECORDS see Archives

PRESERVING see Canning and preserving

PRESIDENTS

—ELECTION

**American history I, lecture 9: Growing national unity is checked by sectional differences** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture [illegible]: The slavery issue leads to Southern secession** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 10: The farmer increases production but suffers hard times** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Presidential conventions** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1956.

**Tuesday in November** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1946.

PRESS CENSORSHIP see Liberty of the press

PRESSES, HYDRAULIC see Hydraulic presses

PRESSURE-GAGES

**Pressure gages** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1945.

PRESSURE SUITS

**"G" Suits** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

PRESSURIZED CABINS (AIRCRAFT) see Aeroplanes—Pressurization

PREVENTION OF ACCIDENTS see Accidents—Prevention

PREVENTIVE INOCULATION see subdivision Preventive inoculation under certain diseases, e.g. Rabies

PREVENTIVE MEDICINE see Medicine, Preventive

PRIMARY BATTERIES see Electric batteries

PRINT SHOPS see Printing plants

PRINTING PLANTS

**A plant health program** (*Filmstrip*) U. S. Public Health Service, 1955.

PRISMS (OPHTHALMOLOGY)

**Optical, inspection methods, part I** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

PRISONERS OF WAR

see also Concentration camps

**Code of conduct. Article 2: To resist** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of conduct. Article 4: Keep faith** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of conduct. Article 5: My responsibilities** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of the fighting man** (*Motion picture*) U. S. Dept. of the Army, 1959.

**The Code: The U. S. fighting man's Code of conduct** (*Motion picture*) U. S. Dept. of Defense, 1959.

**Resist** (*Motion picture*) U. S. Dept. of the Army, 1959.

PRIVATE AEROPLANES see Aeroplanes, Private

PRIVIES

**Constructing a sanitary pit privy** (*Motion picture*) U. S. Public Health Service, 1949.

**Constructing a sanitary pit privy** (*Filmstrip*) U. S. Public Health Service, 1949.

PROBES (CATHODE RAY OSCILLOGRAPH) see Cathode ray oscillograph

PRODUCE TRADE

see also Farm produce; Food supply

**Maintaining high level agricultural exports** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

**Marketing farm products abroad** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

PRODUCTS OF INERTIA see Moments of inertia

PROGRESSIVISM (U. S. POLITICS)

**American history II, lecture 15: American politics, 1900-1920; the progressive movement** (*Motion picture*) U. S. Dept. of Defense, 1956.

PROJECT ENGINES (AEROPLANES) see Aeroplanes—Turbine-propeller engines

PROJECT VANGUARD

**Vanguard I** (*Motion picture*) U. S. Information Agency, 1959. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1959.

PROJECTILES, SELF-PROPELLED see Rockets (Ordnance)

PROPELLERS

**Fitting tube, shaft, and propeller** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Fitting tube, shaft, and propeller** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Running a temporary line** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Running a temporary line** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Steering** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1946.

PROPELLERS, AERIAL

see also Aeroplanes—Turbine-propeller engines

**Curtiss electric propeller disassembly. Part 1: Power unit** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**Curtiss electric propeller disassembly. Part 2: Hub and blades** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**General principles of the propeller** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Ground adjustable propellers** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**Servicing a propeller** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Servicing a propeller** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Story of the aircraft propeller** (*Filmstrip*) U. S. Navy Dept., 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

PROSPECTING

see also Petroleum—Geology

**U. S. naval Arctic operations: Exploring for oil** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education, 1949.

—GEOPHYSICAL METHODS

**The airborne magnetometer** (*Motion picture*) U. S. Geological Survey in cooperation with U. S. Civil Aeronautics Administration, 1952.

PROSTATE GLAND

—SURGERY

**Modified retropubic prostatectomy** (*Motion picture*) U. S Veterans Administration, 1955.

PROSTHESIS

see also Artificial limbs; Jaws, Artificial; Teeth, Artificial

**The cineplastic operation** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Radical resection of the maxilla with early prosthetic restoration** (*Motion picture*) U. S. Veterans Administration, 1955.

**Resection of mandible for ameloblastoma** (*Motion picture*) U. S. Veterans Administration, 1955.

PROTECTION OF BIRDS see Birds, Protection of

PROTECTION OF GAME see Game protection

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

see also Corrosion and anti-corrosives; Gums and resins; Paint

**Packaging and packing: Method III** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, method I, preservative coating (with greaseproof wrap as required)** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, submethod Ia-1, conforming wrap, dipseal sealed** (*Filmstrip*) U. S. Dept. of the Army, 1959.

PROTOZOA, PATHOGENIC

**Experimental malaria transmission** (*Motion picture*) U. S. Public Health Service, 1946.

PROTRACTORS

**The bevel protractor** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**The bevel protractor** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

PRUNE

**Prunes are swell** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

PSYCHIATRIC NURSING

**The n. p. patient** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**Ward care of psychotic patients** (*Motion picture*) U. S. War Dept., 1945.

**Your job and the psychiatric patient. Part 1: The psychiatric patient** (*Filmstrip*) U. S. Veterans Administration, 1947.

**Your job and the psychiatric patient. Part 2: How the patient may affect the attendant** (*Filmstrip*) U. S. Veterans Administration, 1947.

**Your job and the psychiatric patient. Part 3: The attendant helps the patient** (*Filmstrip*) U. S. Veterans Administration, 1947.

PSYCHIATRY

see also Child psychiatry; Group psychotherapy; Mental hygiene; Mental illness; Neuroses; Psychotherapy

**Irritability** (*Motion picture*) U. S. Navy Dept., 1945.

**A positive approach to the psychiatric patient** (*Motion picture*) U. S. Veterans Administration, 1955. Made by U. S. Dept. of Agriculture.

—CASES, CLINICAL REPORTS, STATISTICS

**Journey to reality** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

PSYCHIATRY, MILITARY

**Assignment home** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Universal Pictures Co. Released for public educational use through U. S. Office of Education, 1948.

**Combat psychiatry: The battalion medical officer** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.

**Combat psychiatry: The division psychiatrist** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Cascade Pictures of California.

**Insomnia** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Wilding Picture Productions. Released for public educational use through U. S. Office of Education, 1948.

**Shades of gray** (*Motion picture*) U. S. Dept. of the Army, 1948.

PSYCHOLOGICAL WARFARE

**Defense against enemy propaganda** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Introduction to psychological warfare** (*Motion picture*) U. S. Dept. of the Army, 1956.

PSYCHOLOGY, APPLIED

see also Aeronautics—Psychology; Amputees—Psychology; Counseling; Interpersonal relations; Interviewing

**The role of the recruit company commander** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Audio Productions.

PSYCHOLOGY, CHILD see Child study

PSYCHOLOGY, MILITARY

see also Morale

**Introduction to combat fatigue: Doctor's version** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**Introduction to combat fatigue: Patient's version** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**It's up to you** (*Motion picture*) U. S. Dept. of the Army, 1956.

PSYCHOLOGY OF LEARNING see Learning, Psychology of

PSYCHONEUROSES see Neuroses

PSYCHOSOMATIC MEDICINE see Medicine, Psychosomatic

PSYCHOTHERAPY

see also Group psychotherapy

**An approach to understanding dynamics** (*Motion picture*) U. S. Veterans Administration, 1950.

**A clinical picture of anxiety hysteria** (*Motion picture*) U. S. Veterans Administration, 1952.

**A clinical picture of claustrophobia** (*Motion picture*) U. S. Veterans Administration, 1952.

**Non-verbal communication** (*Motion picture*) U. S. Veterans Administration, 1952.

**Psychotherapeutic interviewing: Introduction** (*Motion picture*) U. S. Veterans Administration, 1950.

**Psychotherapeutic interviewing: Method of procedure** (*Motion picture*) U. S. Veterans Administration, 1950.

PUBLIC CONTRACTS

see also Defense contracts

**Small business and the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1951.

PUBLIC FORUMS see Forums (Discussion and debate)

PUBLIC HEALTH see Hygiene, Public

PUBLIC HEALTH LABORATORIES

**GS-1 meets the laboratory** (*Filmstrip*) U. S. Public Health Service, 1952.

**Handling and use of glassware** (*Filmstrip*) U. S. Public Health Service, 1952

PUBLIC HEALTH NURSING

**Anyone for nursing?** (*Motion picture*) U. S. Public Health Service, 1957.

**The nurse—epidemiologist** (*Filmstrip*) U. S. Public Health Service, 1959.

**Public health nursing in communicable disease control** (*Filmstrip*) U. S. Public Health Service, 1950.

PUBLIC HYGIENE see Hygiene, Public

PUBLIC LIBRARIES see Libraries

PUBLIC NOTICE see Legal advertising

PUBLIC SPEAKING see Oratory

PUBLIC WORKS

**A decade in review** (*Motion picture*) U. S. Army Engineers, 1950.

PUEBLA, MEXICO (CITY)

**A town in old Mexico** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1946. Re-released for educational use in the United States through U. S. Office of Education, 1949.

PUERTO RICO

**Puerto Rico** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

PULLEYS

**Rigging blocks** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1949.

**Rigging blocks** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1949.

PULLORUM DISEASE

**Today's chicks** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

PULMONARY TUBERCULOSIS see Tuberculosis

PULSE

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

PULSE GENERATORS see Oscillators, Electric

PUMAS

**Hunting the puma** (*Motion picture*) U. S. Fish and Wildlife Service, 1950.

PUMPING MACHINERY

see also Fuel pumps; Injectors; Oil hydraulic machinery; Taps and dies

**Aircraft engine pumps** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.

**Reciprocating pump opening for inspection** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1949.

**Reciprocating pump opening for inspection** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1949.

**Ship's pumps** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

PUMPING STATIONS

**Installation of pumping stations** (*Motion picture*) U. S. Dept. of the Army, 1954.

PURE FOOD see Food adulteration and inspection

PURIFICATION OF WATER see Water—Purification

PURSUIT PLANES see Fighter planes

PYTHAGOREAN PROPOSITION

**Beginning algebra II, lecture 12: Powers, roots, and radicals** (*Motion picture*) U. S. Dept. of Defense, 1956.

## Q

Q FEVER

**Q (query) fever** (*Filmstrip*) U. S. Public Health Service, [illegible]

QUADRATIC EQUATIONS see Equations, Quadratic

QUALITY CONTROL

**Quality control** (*Motion picture*) U. S. Dept. of the Air Force, 1951.

**Quartermaster quality control for clothing and textile items** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Quartermaster quality control for general supplies** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Quartermaster quality control for subsistence items** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Statistical quality control: Acceptance sampling** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

**Statistical quality control: Process control** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

QUARANTINE

see also Communicable diseases

**Aircraft quarantine** (*Motion picture*) U. S. Public Health Service, 1947.

QUARANTINE, VETERINARY

**Outbreak** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

QUARTZ

**Brazilian quartz goes to war** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

QUESTIONING

**Suspects and witnesses. Part 2: Interrogating suspects** (*Motion picture*) U. S. Dept. of the Army, 1957.

## R

R E A see U.S. Rural Electrification Administration

R O T C see U.S. Army. Reserve Officers' Training Corps

RABBITS

**Rabbit raising** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

**Respiratory reflexes demonstrated in the rabbit** (*Motion picture*) U. S. Dept. of the Army, 1949.

RABIES

see also Venom—Physiological effect

**Laboratory diagnosis of rabies** (*Motion picture*) U. S. Public Health Service, 1950.

**Laboratory diagnosis of rabies** (*Filmstrip*) U. S. Public Health Service, 1949

**Rabies control in the community** (*Motion picture*) U. S. Public Health Service, 1956.

—PREVENTIVE INOCULATION

**The fight against rabies** (*Filmstrip*) U. S. Public Health Service, 1947.

RACE PROBLEMS

see also Acculturation; Discrimination; Minorities

**Don't be a sucker** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1949.

RACING

**I & E sportsreel, no. 220** (*Motion picture*) U. S. Dept. of Defense, 1950.

RADAR

**Eyes of the storm** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

RADAR METEOROLOGY

**Radar refraction and weather: Airborne early warning and control** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

**Radar refraction and weather: The radar coverage problem** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

**Radar refraction and weather: The radar weather problem** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

**Radar refraction and weather: Why the weather?** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

**Weather and radar** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

RADIATION

see also Gamma rays; Geiger-Müller counters; Radioactivity; Sound; X-rays

**Fundamentals of radiac instruments** (*Motion picture*) U. S. Dept. of the Army, [illegible].

—PHYSIOLOGICAL EFFECT

**Atomic bomb injuries to the Bikini animals. Part 1: Pathology** (*Motion picture*) U. S. Dept. of the Navy, 1947.

**The effect of ionizing radiation on domestic animals** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Medical aspects of nuclear radiation** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

**The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

—SAFETY MEASURES

**The washdown countermeasure: Preventing radiological contamination of ships exposed to underwater atomic attack** (*Motion picture*) U. S. Dept. of the Navy, [illegible].

RADIO

see also Morse code; Radar

—ANTENNAS

**Radio antennas: Creation and behavior of radio waves** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1945.

—APPARATUS AND SUPPLIES

see also Amplifiers, Vacuum-tube; Loud-speakers; Radio compass; Radio direction finders

**How to remove and reinstall radio equipment** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, [illegible].

**Radio sets AN/GRC 3, 4, 5, 6, 7, and 8** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

—INSTALLATION ON SHIPS

see also Radio in navigation

**Reduction of radio interference: Shipboard installation practices** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

—INTERFERENCE

**Radio interference from rural power lines** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

**Reduction of radio interference** (*Motion picture*) U. S. Dept. of the Navy, [illegible].

**Reduction of radio interference: Shipboard installation practices** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Princeton Film Center.

—RECEIVERS AND RECEPTION

**Radio receivers: Principles of radio receivers** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1944.

**Radio shop techniques** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Reproducers** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, [illegible].

**Signal generator operation** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**Tuned circuits** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Tuning** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

—STATIC see Radio—Interference

—TRANSMITTERS AND TRANSMISSION

see also Radio, Short-wave—Transmitters and transmission; Radio stations

**Rhythm, speed, and accuracy in hand sending** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

**The technique of hand sending** (*Motion picture*) Dept. of the Navy, 1945. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

**Tuned circuits** (*Motion picture*) U. S. Dept. of the Army, [illegible].

RADIO, MILITARY

**Radio relay equipment AN/TRC-35 and 36. Part 4: System line up procedures** (*Motion picture*) U. S. Dept. of the Army, [illegible].

—SECURITY MEASURES

**Radio transmission security** (*Motion picture*) U. S. Dept. of the Army, [illegible].

RADIO, SHORT WAVE

—ANTENNAS

**Erection of the AS-19/TRC-1 antenna system** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

—TRANSMITTERS AND TRANSMISSION

**Standing waves on transmission lines** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, [illegible].

RADIO AMPLIFIERS see Amplifiers, Vacuum-tube

RADIO CIRCUITS

**Regeneration** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

RADIO COMPASS

**Radio compass equipment** (*Motion picture*) U. S. Dept. of the Air Force, [illegible].

RADIO DIRECTION FINDERS

**Radio direction finder** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, [illegible].

**Radio navigation, part 5** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio navigation, part 6** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

RADIO-ELEMENTS see Radioactive substances

RADIO FREQUENCY MODULATION

see also Radio, short wave

**Basic principles of frequency modulation** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, [illegible].

RADIO IN AERONAUTICS

**Flying the weather map: Weather for the navigator** (*Motion picture*) U. S. Navy Dept., 1944. Made by Walt Disney Productions. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

**Low frequency Adcock radio range equipment and field patterns** (*Filmstrip*) U. S. Air Forces, [illegible]. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

**Orientation: The 90 degree method** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio and control** (*Filmstrip*) U. S. Navy Dept., [illegible]. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

**Radio navigation, part 6** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio navigation: Bracketing an unknown beam** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio navigation: The radio range** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Radio range course control elements** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

RADIO IN NAVIGATION

see also Radio—Installation on ships

**Radio navigation. Part 1: Introduction and aids to radio navigation** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

**Radio navigation. Part 2: Radio bearings** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

RADIO OPERATORS

**The radio man fights** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, [illegible].

**Rhythm, speed, and accuracy in hand sending** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, 1947.

**The technique of hand sending** (*Motion picture*) Dept. of the Navy, 1945. Made by Spot Film Productions. Released for public educational use through U. S. Office of Education, [illegible].

**Transmission security** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Sound Masters. Released for public educational use through U. S. Office of Education, [illegible].

RADIO RECEPTION see Radio—Receivers and reception

RADIO RELAY SYSTEMS

**Radio relay equipment AN/TRC-35 and 36. Part 4: System line up procedures** (*Motion picture*) U. S. Dept. of the Army, [illegible].

RADIO STATIONS

**Independent commercial radio stations** (*Motion picture*) U. S. Dept. of the Army, [illegible]. Made by Mitchell Films Associates. Released for public educational use through U. S. Office of Education, [illegible].

RADIO TRANSMISSION see Radio—Transmitters and transmission

RADIO VISION see Television

RADIO WAVES

**Detection, radio** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, [illegible].

**The effects of the ionosphere on radio wave propagation** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1951.

RADIO WAVES (Continued)

**Radio antennas: Creation and behavior of radio waves** (*Motion picture*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Office of Education, 1946.

RADIOACTIVE FALLOUT

**Beltsville newsreel, no. 10** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**The mission support during radioactive fallout: Disaster control** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The mission support during radioactive fallout: Fallout shelters** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Off-site monitoring of fallout from nuclear tests** (*Motion picture*) U. S. Public Health Service, 1959.

RADIOACTIVE ISOTOPES see Radioisotopes

RADIOACTIVE SUBSTANCES

see also Atomic energy in agriculture; Radioactive fallout; Radioisotopes; Uranium

—INDUSTRIAL APPLICATIONS

**Atoms for peace. Part 2: Agriculture, industry, and power** (*Motion picture*) U. S. Information Agency, 1956. Made by Warner Bros. Released for public educational use in the United States through U. S. Office of Education, 1958.

RADIOACTIVE TRACERS

**Atoms for peace. Part 1: Medicine** (*Motion picture*) U. S. Information Agency, 1956. Made by Warner Bros. Released for public educational use in the United States through U. S. Office of Education, 1958.

**The radioisotope: Methodology** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1954.

**Radioisotopes in agricultural research** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Radioisotopes in general science** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

RADIOACTIVITY

see also Electrons; Nuclear physics; Radiotherapy; X-rays

**Properties of radiation** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

**Radioactivity: Laboratory demonstrations** (*Motion picture*) U. S. Dept. of the Army, 1949.

—INSTRUMENTS

see also Geiger-Müller counters

**An introduction to radiation detection instruments** (*Motion picture*) U. S. Dept. of Defense, 1953. Released for public educational use through U. S. Office of Education, 1955.

**Radioactivity: Laboratory demonstrations** (*Motion picture*) U. S. Dept. of the Army, 1949.

—MEASUREMENT

**Fundamentals of radiac instruments** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Practical procedures of measurement** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

—PHYSIOLOGICAL EFFECT

see also Atomic bomb—Physiological effect

**Bikini—radiological laboratory** (*Motion picture*) U. S. Atomic Energy Commission, 1950. Made by University of Washington.

—SAFETY MEASURES

see also Atomic bomb—Safety measures

**Atomic tests in Nevada** (*Motion picture*) U. S. Atomic Energy Commission, 1955. Made by U. S. Dept. of the Air Force.

**The mission support during radioactive fallout: Disaster control** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The mission support during radioactive fallout: Exposure control** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Off-site monitoring of fallout from nuclear tests** (*Motion picture*) U. S. Public Health Service, 1959.

**The practice of radiological safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

**Radioactive contamination** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1955.

**Radiological survey** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by Cascade Pictures. Released for public educational use through U. S. Office of Education, 1955.

RADIOGONIOMETER see Radio compass

RADIOGRAPHY

see also Photography—Scientific applications; X-rays

**Routine X-ray procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1946.

RADIOISOTOPES

see also Radioactive tracers

**Engineering for radioisotopes** (*Motion picture*) U. S. Atomic Energy Commission, 1951. Made by Oak Ridge National Laboratory.

**Fundamentals of radioactivity** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

**Practical procedures of measurement** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

**Radioisotopes in agricultural research** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Radioisotopes in general science** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

RADIOLOGY, MEDICAL

see also Radiography; Radioisotopes; Radiotherapy

**The physical principles of radiological safety** (*Motion picture*) U. S. Dept. of the Army, 1954.

RADIOMETER

**Crevasse location and mapping** (*Motion picture*) U. S. Army Engineers, 1956.

RADIOTHERAPY

see also Radioactivity; X-rays—Therapeutic use

**Radiotherapy: High dosage treatment** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Radiotherapy: High dosage treatment** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

RAILROADS

see also Military railroads; Railway mail service

**Railroads** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

—AIR-BRAKES see Air-brakes

—MAINTENANCE AND REPAIR

**Rail right-of-way maintenance and repair: Elements of maintenance** (*Filmstrip*) U. S. Dept. of the Army, 1954.

—MANAGEMENT

**Armed Forces screen magazine, no. 307** (*Motion picture*) U. S. Dept. of Defense, 1953.

—SAFETY MEASURES

**Railroad safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1955.

RAILWAY MAIL SERVICE

**Men and mail in transit** (*Motion picture*) U. S. Post Office Dept., 1950. Made by U. S. Dept. of Agriculture.

RAIN AND RAINFALL

see also Floods; Forest influences; Snow; Water-storage

**Adventures of Junior Raindrop** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

RAISINS

**The raisins you buy** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the California Raisin Advisory Board, 1957.

RANCH LIFE

**Home on the range** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

RANGES (STOCK) see Stock-ranges

RASPS see Files and rasps

RAT-CATCHING see Rats—Extermination

RATIO AND PROPORTION

**Beginning algebra 8, lecture 5: Ratio, proportion, and variation** (*Motion picture*) U. S. Dept. of Defense, 1955.

RATIONAL GAMES (MATHEMATICS) see Games of strategy (Mathematics)

RATPROOF CONSTRUCTION

see also Rats—Extermination

**Ratproofing** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**Ratproofing** (*Motion picture*) U. S. Public Health Service, 1954.

**Ratproofing of existing buildings** (*Filmstrip*) U. S. Public Health Service, 1947.

**Rural rat control** (*Motion picture*) U. S. Public Health Service, 1951.

RATS

**Behavior of wild Norway rats** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Habits and characteristics of the rat: The Norway rat** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**Habits and characteristics of the rat: The roof rat** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**The Norway rat, habits and characteristics** (*Motion picture*) U. S. Public Health Service, 1953.

**Recognition of domestic rodent signs** (*Filmstrip*) U. S. Public Health Service, 1951.

**The roof rat, habits and characteristics** (*Motion picture*) U. S. Public Health Service, 1954.

—EXTERMINATION

**Area poisoning** (*Motion picture*) U. S. Public Health Service, 1950.

**Grain sanitation** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

**Plague control** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Rat eradication measures on ratproofing projects** (*Filmstrip*) U. S. Public Health Service, 1947.

**Rat killing** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**Rat killing** (*Motion picture*) U. S. Public Health Service, 1954.

RATS

—EXTERMINATION (Continued)

**Rural rat control** (*Motion picture*) U. S. Public Health Service, 1951.

**Sanitation techniques in rat control** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**Sanitation techniques in rat control** (*Motion picture*) U. S. Public Health Service, 1954.

**Use of anticoagulants in rodent control** (*Filmstrip*) U. S. Public Health Service, 1959.

RATS AS CARRIERS OF DISEASE

**Epidemiology of murine typhus** (*Motion picture*) U. S. Public Health Service, 1950.

**Plague control** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1960.

**The rat problem** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**The rat problem** (*Motion picture*) U. S. Public Health Service, 1950.

REACTANCE (ELECTRICITY)

see also Electric resistance, Impedance (Electricity)

**Capacitive reactance** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.

**Inductive reactance** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.

REACTORS (NUCLEAR PHYSICS) see Nuclear reactors

REAMERS

**Reaming with straight hand reamers** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

**Reaming with straight hand reamers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

**Reaming with taper hand reamers** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

**Reaming with taper hand reamers** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

REAPERS see Harvesting machinery

RECLAMATION OF LAND

see also Clearing of land, Drainage, Irrigation, Malarial fever—Prevention

**Irrigation, lifeblood of the West** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Pole drainage** (*Motion picture*) U. S. Public Health Service, 1945.

**The sanitary landfill. Part 1: Operating procedures** (*Filmstrip*) U. S. Public Health Service, 1957.

**Water in the West** (*Motion picture*) U. S. Bureau of Reclamation, 1951.

**Wild fruits for soil conservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1946.

RECONNAISSANCE, MILITARY see Military reconnaissance

RECONSTRUCTION

**American history I, lecture 16: The Southern States are restored to the Union** (*Motion picture*) U. S. Dept. of Defense, 1955.

RECONSTRUCTION (1914-1939)

**American history II, lecture 12: American reaction to treaty of Versailles; return to isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.

RECONSTRUCTION (1939-1951)

**Assignment Germany** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Problems of peace in Europe** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1960.

RECREATION

see also Community organization, Hobbies, Leisure, Reservoirs—Recreational use

**Recreational and occupational therapy** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

**Recreational and occupational therapy** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Ted Nemeth Studios.

—SAFETY MEASURES

**Take safety with you** (*Motion picture*) U. S. Army Engineers, 1957.

RECREATION CENTERS

**Recreation center operation** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

RECREATIONS see Hobbies, Play, Sports

RECTIFICATION OF SPIRITS see Distillation

RECTO-URETHRAL FISTULA see Fistula, Recto-urethral

RED CROSS, U.S. AMERICAN NATIONAL RED CROSS

**Air Force bars and pass policies** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

REFLEXES

**Respiratory reflexes demonstrated in the rabbit** (*Motion picture*) U. S. Dept. of the Army, 1949.

REFORESTATION

see also Forests and forestry, Tree planting

**The land changes** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

REFRACTION

**Radar refraction and weather: The radar coverage problem** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Radar refraction and weather: The radar weather problem** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Radar refraction and weather: Why the weather?** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

REFRACTORY MATERIALS

**Boiler repairs, fire side: High temperature castable refractories** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

REFRACTORY METALS see Heat resistant alloys

REFRIGERANTS

**Adding or removing refrigerant** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Adding or removing refrigerant** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

REFRIGERATION AND REFRIGERATING MACHINERY

see also Cold-storage lockers

**Basic principles of refrigeration** (*Filmstrip*) U. S. Public Health Service, 1951.

**Mechanical refrigeration: How it works** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1947.

**Principles of refrigeration** (*Motion picture*) U. S. Office of Education, 1944. Made by Graphic Films.

**Principles of refrigeration** (*Filmstrip*) U. S. Office of Education, 1944. Made by Graphic Films.

**Refrigerated food storage principles** (*Filmstrip*) U. S. Public Health Service, 1951.

REFRIGERATORS

—MAINTENANCE AND REPAIR

**Adding or removing refrigerant** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Adding or removing refrigerant** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Adjusting and checking the expansion valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Adjusting and checking the expansion valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Adjusting & repairing the thermo expansion valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**Adjusting & repairing the thermo expansion valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**Adjusting commercial thermostatic controls** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**Adjusting commercial thermostatic controls** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**Adjusting pressure actuated temperature control devices** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**Adjusting pressure actuated temperature control devices** (*Filmstrip*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**Checking and replacing a float valve** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking and replacing a float valve** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking the electrical system** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking the electrical system** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking the system. Part 1: General procedure** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking the system. Part 1: General procedure** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking the system. Part 2: Trouble shooting** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Checking the system. Part 2: Trouble shooting** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Locating and repairing leaks** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Locating and repairing leaks** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Making and repairing tubing connections** (*Motion picture*) U. S. Office of Education, 1944. Made by Anson Bond Productions.

**Making and repairing tubing connections** (*Filmstrip*) U. S. Office of Education, 1944. Made by Anson Bond Productions.

**Quieting a noisy refrigerator** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Quieting a noisy refrigerator** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Removing and installing a cooling unit** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Removing and installing a cooling unit** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Removing and installing a compressor or condenser** (*Motion picture*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Removing and installing a compressor or condenser** (*Filmstrip*) U. S. Office of Education, 1945. Made by Frederick K. Rockett.

**Servicing water-cooled condensers** (*Motion picture*) U. S. Office of Education, 1945. Made by Anson Bond Productions.

**REFRIGERATORS**
**—MAINTENANCE AND REPAIR**
**(Continued)**

**Servicing water cooled condensers** (*Filmstrip*) U. S. Office of Education, 1945. Made by [illegible] Productions.

**REFUELING OF AEROPLANES** see Aeroplanes—Refueling

**REFUGEES, EAST INDIAN**

**Battle in the Terai** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**Victory in Terai** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**We build a town** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**REFUGEES, GERMAN**

**Let us live** (*Motion picture*) U. S. Dept. of State, 1951. Released for educational use in the United States through U. S. Office of Education.

**REFUGEES, HUNGARIAN**

**Now we are free** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

**Out of Hungary to freedom** (*Motion picture*) U. S. Information Agency, 1957. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education.

**REFUGEES, POLITICAL**

**The Cummington story** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1945.

**The haven** (*Motion picture*) U. S. Information Agency, 1956. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.

**REFUSE AND REFUSE DISPOSAL**

see also Salvage (Waste, etc.); Sewage disposal; Water—Pollution

**Fly control through basic sanitation** (*Motion picture*) U. S. Public Health Service, 1950.

**Refuse disposal by sanitary landfills** (*Motion picture*) U. S. Public Health Service, 1954.

**Rural rat control** (*Motion picture*) U. S. Public Health Service, 1951.

**The sanitary landfill. Part 1: Operating procedures** (*Filmstrip*) U. S. Public Health Service, 1957.

**The sanitary landfill. Part 2: Small community landfills** (*Filmstrip*) U. S. Public Health Service, 1958.

**Sanitary storage and collection of refuse** (*Motion picture*) U. S. Public Health Service, 1952.

**Sanitation techniques in rat control** (*Motion picture*) U. S. Dept. of the Army and U. S. Public Health Service, 1951.

**Sanitation techniques in rat control** (*Motion picture*) U. S. Public Health Service, 1954.

**A survey of refuse disposal methods** (*Motion picture*) U. S. Public Health Service, 1950.

**REGULATORS** see Governors (Machinery)

**REHABILITATION, RURAL**

**Battle in the Terai** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**Victory in Terai** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**REHABILITATION, VOCATIONAL** see Vocational rehabilitation

**REINFORCED PLASTICS**

**Reinforced plastics: Inspection and quality control** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

**Reinforced plastics, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

**Reinforced plastics: Repair of single skin failures** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Wilding Picture Productions.

**RELIEF, INTERNATIONAL** see International relief

**RELIEF MODELS**

**Rubber terrain models** (*Motion picture*) U. S. Navy Dept., 1945.

**REPRODUCTION**

see also Embryology; Pregnancy

**Anatomy and physiology: The male reproductive system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

**How animal life begins** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with American Film Center, 1939.

**In the beginning** (*Motion picture*) U. S. Dept. of Agriculture, 1937.

**Transplanting hen's ova** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**RESCUE WORK**

see also First aid in illness and injury; Life-saving

**ABC warfare defense ashore: Rescue operations; lifting devices, shoring** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

**ABC warfare defense ashore: Rescue operations; rigging, breaching walls, tunneling** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

**Rescue squad** (*Motion picture*) U. S. Dept. of State, 1952. Made by Bay State Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

**RESEARCH**

see also Aeronautical research; Agricultural research; Atomic energy research; Cotton research; Engineering research; Forest products research; Marketing research; Medical research; Military research; Naval medical research; Operations research; Research, Industrial; also subdivision Research under subjects, e. g. Fire prevention—Research

**Is research your job? Careers in human nutrition and home economics** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

**The Navy and science** (*Motion picture*) U. S. Dept. of the Navy, 1951.

**Serving the nation** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

**RESEARCH, INDUSTRIAL**

see also Inventions; Naval research; Textile research

**Air science in action** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Design for environment** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Research and development** (*Motion picture*) U. S. Dept. of Defense, in cooperation with U. S. Dept. of the Air Force, 1950.

**RESEARCH, VETERINARY** see Veterinary medicine—Research

**RESERVE FORCES (U. S.)** see U. S.—Armed Forces—Reserves

**RESERVOIRS**

see also Flood dams and reservoirs; Water-storage; Water-supply

**Malaria control on impounded waters** (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1946.

**—RECREATIONAL USE**

**Just for the fun of it** (*Motion picture*) U. S. Army Engineers, 1955.

**Reservoirs of recreation** (*Motion picture*) U. S. Army Engineers, 1956.

**RESETTLEMENT** see Rehabilitation, Rural

**RESIDENT PHYSICIANS** see Hospitals—Staff

**RESINS** see Gums and resins

**RESISTANCE, ELECTRIC** see Electric resistance

**RESISTANCE WELDING** see Electric welding

**RESPIRATION**

see also Asphyxia; Respiratory organs

**Respiratory reflexes demonstrated in the rabbit** (*Motion picture*) U. S. Dept. of the Army, 1948.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**RESPIRATION, ARTIFICIAL** see Artificial respiration

**RESPIRATORS**

see also Aeroplanes—Oxygen equipment; Gas masks

**Armed Forces screen magazine, no. 387** (*Motion picture*) U. S. Dept. of Defense, 1952.

**Respiratory protection** (*Motion picture*) U. S. Navy Dept., 1946. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

**RESPIRATORY ORGANS**

see also Chest; Lungs; Trachea

**Anatomy and physiology: The respiratory system** (*Filmstrip*) U. S. Dept. of the Army, 1953.

**RESPONSIBILITY**

**Family** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Moral responsibility of safety** (*Motion picture*) U. S. Dept. of the Army, 1950.

**RESTAURANTS, LUNCH ROOMS, ETC.**

**Basic principles of kitchen layout** (*Filmstrip*) U. S. Public Health Service, 1955.

**Food sanitation. Part 1: Construction of building** (*Filmstrip*) U. S. Public Health Service, 1954.

**Food sanitation. Part 2: Utensils and equipment** (*Filmstrip*) U. S. Public Health Service, 1954.

**Food sanitation. Part 3: Washing and storage** (*Filmstrip*) U. S. Public Health Service, 1954.

**Food sanitation. Part 4: Refrigeration and food handling** (*Filmstrip*) U. S. Public Health Service, 1954.

**Serving food** (*Motion picture*) U. S. Public Health Service, 1954.

**Structural standards for restaurants** (*Filmstrip*) U. S. Public Health Service, 1954.

**RETINA**

see also Color-sense

**Removal of magnetic foreign bodies from the eye** (*Motion picture*) U. S. War Dept., 1946.

REVOLUTION, AMERICAN see U.S.—History—Revolution

RHEUMATIC FEVER

**A fair chance** (*Motion picture*) U. S. Information Agency, 1956. Made by Cornell Films. Released for public educational use in the United States through U. S. Office of Education, 1957.

RHEUMATIC HEART DISEASE

**Stop rheumatic fever** (*Motion picture*) U. S. Public Health Service in cooperation with the Council on Rheumatic Fever and Congenital Heart Disease of the American Heart Association, 1950. Made by Transfilm.

RICE

**Beltsville newsreel, no. 13** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

RICKETTSIA

**Chick embryo techniques** (*Motion picture*) U. S. Public Health Service, 1951.

RICKETTSIAL DISEASES

**Rickettsiae—laboratory procedures for their isolation and identification** (*Motion picture*) U. S. Dept. of the Army, 1949.

RIDING see Horsemanship

RIFLE PRACTICE

see also Shooting, Military

**Trigger squeeze, M1 rifle** (*Motion picture*) U. S. Dept. of the Army, 1955.

RIFLES

**Infantry weapons and their effects: M1C cal. .30 sniper's rifle; sniperscope, infrared set no. 1** (*Motion picture*) U. S. Dept. of the Army, 1954.

**The 106mm rifle. Part 1: Introduction to the weapon** (*Motion picture*) U. S. Dept. of the Army, 1957.

RIGGING see Masts and rigging

RINDERPEST

**Rinderpest** (*Motion picture*) U. S. Dept. of Agriculture in collaboration with the Federal Civil Defense Administration and the Dept. of Defense, 1955.

RINGWORM

**Dermatology and syphilology. Part 1: Superficial fungus infections** (*Filmstrip*) U. S. Dept. of the Army, 1957.

**Laboratory diagnosis of ringworm in animals. Part 1: Microsporum infections** (*Filmstrip*) U. S. Public Health Service, 1957.

**Laboratory diagnosis of ringworm in animals. Part 2: Trichophyton infections** (*Filmstrip*) U. S. Public Health Service, 1957.

**Laboratory diagnosis of tinea capitis in children: Microsporum infections** (*Filmstrip*) U. S. Public Health Service, 1950.

**Laboratory diagnosis of Trichophyton infections. Part 1: Ectothrix infections of the beard and scalp** (*Filmstrip*) U. S. Public Health Service, 1952.

**Laboratory diagnosis of Trichophyton infections. Part 2: Endothrix infections of the scalp** (*Filmstrip*) U. S. Public Health Service, 1952.

RIO DE JANEIRO

**Rio de Janeiro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

RIOTS

**Riot control formations. Part 1: Squad formations** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Riot control formations. Part 3: Vehicles and foot troops** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Support in emergencies: Riot control** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use, 1956.

RIVERS

see also Dams; Floods; Watersheds

**The river** (*Motion picture*) U. S. Dept. of Agriculture, 1938. Made by Pare Lorentz.

—POLLUTION see Water—Pollution

RIVETS AND RIVETING

**Assembling in a jig: Drilling and riveting** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Drilling and riveting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Fitting and lining up** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Fitting and lining up** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Blind riveting** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

**Blind riveting** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

**Dimpling and countersinking** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Dimpling and countersinking** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling with portable drill motors** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling with portable drill motors** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Driving and bucking rivets** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Driving and bucking rivets** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**How to rivet aluminum** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1942.

**Inspection of minor assemblies** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Inspection of minor assemblies** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Machine countersunk flush rivets for aircraft** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1945.

**Removing defective rivets** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Removing defective rivets** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Squeeze riveting: Stationary and portable riveters** (*Motion picture*) U. S. Office of Education, 1945. Made by Tradefilms.

**Squeeze riveting: Stationary and portable riveters** (*Filmstrip*) U. S. Office of Education, 1945. Made by Tradefilms.

ROAD ACCIDENTS see Traffic accidents

ROAD-BUILDING MACHINERY see Road machinery

ROAD CONSTRUCTION

**Base and untreated surfaces** (*Motion picture*) U. S. War Dept., 1943.

**Clearing, grubbing, and rock work** (*Motion picture*) U. S. War Dept., 1943.

**Gravel and rock surfaces** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

**Road expedients** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

**Subgrade preparation** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

ROAD DRAINAGE

**Drainage** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1950.

ROAD MACHINERY

see also Graders (Earthmoving machinery)

**Mechanized trail equipment** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

ROAD TRAFFIC see Traffic engineering

ROADS, MILITARY see Military roads

ROADSIDE MARKETING

**Roadside marketing in the Garden State** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

ROBOT BOMBS see V-1 rocket

ROCK CLIMBING

**Military rock climbing: Movement of combat units** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

**Military rock climbing: Technique of climbing** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1949.

ROCK-CRYSTAL see Quartz

ROCK WOOL see Mineral wool

ROCKET FLIGHT see Space flight

ROCKET LAUNCHERS (ORDNANCE)

**Missile master: AN/FSG-1 anti-aircraft defense system, engineering report on 9827** (*Motion picture*) U. S. Dept. of the Army, 1958.

ROCKET PROJECTILES see Rockets (Ordnance)

ROCKET SHIPS see Space ships

ROCKETS (AERONAUTICS)

see also Atmosphere, Upper—Rocket observations; Ballistic missiles; Guided missiles; Jet propulsion; Project Vanguard

**High-speed flight research at Wallops** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

**Operation of jet aircraft engines** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Jam Handy Organization.

**Space pioneer** (*Motion picture*) U. S. Information Agency, 1959. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.

**Thunderbolt geometry** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—MODELS

**Pilotless aircraft research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

—TESTING

**Prelude to IGY** (*Motion picture*) U. S. Dept. of the Army, 1960.

ROCKETS (ORDNANCE)

see also Guided missiles; Nike rocket; Rocket launchers (Ordnance); V-2 rocket

**Armed Forces screen magazine, no. 504** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1955.

**Defense of Antwerp against the V-1** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

**Honest John** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Little John** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Rocket instrumentation** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

ROCKETS (ORDNANCE) (Continued)

**VT bomb and rocket fuzes** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

ROENTGENOGRAMS see X-rays

ROLLER BEARINGS

**Care and maintenance of tapered roller bearings** (*Motion picture*) U. S. War Dept., 1941. Released for public educational use through U. S. Office of Education, 1946.

ROME

**Italy** (*Motion picture*) U. S. Dept. of Defense, 1951.

ROME (CITY)

**Liberation of Rome** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

ROOSEVELT, FRANKLIN DELANO, PRES. U.S., 1882-1945

**American history II, lecture 17: Roosevelt and the New Deal** (*Motion picture*) U. S. Dept. of Defense, 1956.

ROOSEVELT, THEODORE, PRES. U.S., 1858-1919

**Theodore Roosevelt, American** (*Motion picture*) U. S. Dept. of Defense with the cooperation of the Theodore Roosevelt Centennial Commission, 1958. Made by U. S. Dept. of the Army.

ROOTS, NUMERICAL

**Beginning algebra II, lecture 13: Powers, roots, and radicals** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 14: Powers, roots, and radicals** (*Motion picture*) U. S. Dept. of Defense, 1956.

ROPE

see also Cables; Knots and splices; Wire rope

**Use and care of fiber rope** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1946.

ROSIN see Gums and resins

ROTATING WINGS see Rotors (Helicopters)

ROTATION OF CROPS

**Como cuidar da terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Hay que alimentar la tierra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**The land must eat** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

ROTORS (HELICOPTERS)

**Helicopter maintenance. Part 4: Rotor blade inspection, repair, and tracking (H-19, H-34, H-37)** (*Motion picture*) U. S. Dept. of the Army, 1956.

ROUTING-MACHINES

**Blanking with the swing arm router** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Blanking with the swing arm router** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

ROWING

**Handling a lifeboat under oars. Part 1: Rowing** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1946.

**Handling a lifeboat under oars. Part 2: Commands** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1946.

ROYAL AIR FORCE see Gt. Brit. Royal Air Force

ROYAL VISITS see Visits of state

RUBBER, ARTIFICIAL

see also Butyl rubber

**Flame spraying of thiokol** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Academy Productions.

**Synthetic rubber** (*Motion picture*) U. S. Bureau of Mines in cooperation with Goodyear Tire & Rubber Co., 1944.

RUBBER INDUSTRY AND TRADE

**Synthetic rubber** (*Motion picture*) U. S. Bureau of Mines in cooperation with Goodyear Tire & Rubber Co., 1944.

RUBBER TIRES see Tires, Rubber

RUDDER see Steering-gear

RULE OF THE ROAD AT SEA

see also Collisions at sea

**The Barrow-Delja incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**City of Rome incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Crossing at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**The Halifax incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Lights, running and anchor** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Lights, vessels being towed** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Meeting at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Meeting steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Overtaking at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Overtaking situation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Rules in fog** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Rules of the nautical road: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Rules of the road, international: Restricted visibility situations** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

**Rules of the road, international: Special daytime situations** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

**Rules of the road, international: Vessels crossing, daytime** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

**Rules of the road, international: Vessels overtaking, daytime** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Jam Handy Organization.

**Special circumstances** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Special lights** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Special steering and sailing rules** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**The Ivan-Newport incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**The Toronto-Gulf Trade incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Towing lights** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**The Varanger-Dover Woman incident** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Visual day signals** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Whistle signals for approaching steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

RULERS (INSTRUMENTS)

**The steel rule** (*Motion picture*) U. S. Office of Education, 1941. Made by Loucks & Norling Studios.

**The steel rule** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

RULES OF ORDER see Parliamentary practice

RULES OF THE AIR see Air traffic rules

RUMOR

**About rumors** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.

RUNWAYS (AERONAUTICS) see Air bases—Runways; Airports—Runways

RUPTURE see Hernia

RURAL ARCHITECTURE see Farm buildings

RURAL CREDIT see Agricultural cooperative credit associations

RURAL ELECTRIFICATION

see also Electricity in agriculture

**Power and the land** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**REA comes to the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**The telephone and the farmer** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

RURAL LIFE see Country life; Farm life; Outdoor life

RURAL REHABILITATION see Rehabilitation, Rural

RURAL SCHOOLS

**Board of education** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

**Mexico builds a democracy** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Rural high school** (*Motion picture*) U. S. Dept. of State, 1951. Made by M. P. O. Productions. Released for educational use in the United States through the U. S. Office of Education, 1952.

RUSSELL, CHARLES MARION, 1864-1926

**Charley Russell's friends** (*Motion picture*) U. S. Information Agency, 1955. Made by Sidney J. Stiber Productions. Released for public educational use in the United States through U. S. Office of Education, 1955.

RUSSIA

**The Soviet Union and its peoples** (*Motion picture*) U. S. Dept. of Defense, 1951.

—FOREIGN RELATIONS

**The new face of the Soviets** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**The wounded bear theory with Daniel L. Schorr** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

RUST see Corrosion and anti-corrosives

RUSTS (FUNGI)

**Stem rust** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Stem rust** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

## S

SABOTAGE

**Guard against sabotage** (*Motion picture*) U. S. Coast Guard, 1952. Made by Campus Film Productions.

**Guarding against sabotage** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

SACEUR see Supreme Allied Commander, Europe

SACLANT see Supreme Allied Commander, Atlantic

SACROILIAC

—SURGERY

**Surgical approaches to the spine and sacroiliac** (*Motion picture*) U. S. Veterans Administration, 1951. Made by Churchill-Wexler Film Productions.

SAFETY CLOTHING see Clothing, Protective

SAFETY ENGINEERING see Industrial accidents

SALESMEN AND SALESMANSHIP

**Mr. Stuart answers the question** (*Motion picture*) U. S. Dept. of Commerce, Office of Small Business, 1947. Made by U. S. Dept. of Agriculture.

SALMON

**Fish and dams** (*Motion picture*) U. S. Army Engineers, 1956.

SALTPETER, CHILE

**Atacama desert** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

SALUTES, MILITARY see Military ceremonies, honors, and salutes

SALVAGE (WASTE, ETC.)

see also Refuse and refuse disposal

**Packaging and packing: Use of salvaged packaging materials** (*Filmstrip*) U. S. Dept. of the Army, 1953.

SAMPLING (STATISTICS)

see also Quality control

**Statistical quality control: Acceptance sampling** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

**Statistical quality control: Process control** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

SAN PIETRO, BATTLE OF, 1943

**San Pietro** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1946.

SAND-BLAST

**Painting ships bottoms: Sandblasting** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1946.

SANDING MACHINES

**Ponçage de surfaces planes et irrégulières** (*Motion picture*) U. S. Office of Education, 1951.

**Sanding flat and irregular surfaces** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Sanding flat and irregular surfaces** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

SANITARY AFFAIRS see Hygiene, Public

SANITARY ENGINEERING

see also Drainage; Filters and filtration; Refuse and refuse disposal; Sanitation; Snow removal; Water-supply

**Constructing a sanitary pit privy** (*Motion picture*) U. S. Public Health Service, 1949.

**Constructing a sanitary pit privy** (*Filmstrip*) U. S. Public Health Service, 1949.

**Engineering your health** (*Motion picture*) U. S. Public Health Service, 1950. Made by Atlas Film Corp.

**Environmental sanitation** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Malaria control on impounded waters** (*Motion picture*) U. S. Public Health Service with the cooperation of Tennessee Valley Authority, 1948.

**Municipal sewage treatment processes** (*Motion picture*) U. S. Public Health Service, 1951.

**Saneamento geral** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Saneamiento del ambiente** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

SANITATION

see also Hygiene; Hygiene, Public; Military hygiene; Naval hygiene; Refuse and refuse disposal; Sanitary engineering; Water—Purification

**Community fly control operations** (*Motion picture*) U. S. Public Health Service, 1952.

**Control of louse-borne diseases** (*Motion picture*) U. S. War Dept., 1945.

**Disease and personal hygiene** (*Motion picture*) U. S. Dept. of the Army, 1945. Released for public educational use through U. S. Office of Education, 1949.

**Disentería** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Domestic vector control by basic sanitation** (*Filmstrip*) U. S. Public Health Service, 1958.

**Food preparation** (*Motion picture*) U. S. Public Health Service, 1954.

**Galley sanitation** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Hospital food service personnel training. Part 3: Equipment** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Hospital sanitation** (*Motion picture*) U. S. Dept. of the Army, 1951.

**Kitchen habits** (*Motion picture*) U. S. Public Health Service, 1950.

**Prevent dysentery** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

SANITATION, HOUSEHOLD

see also Food handling; Plumbing

**An introduction to backsiphonage and cross connections** (*Filmstrip*) U. S. Public Health Service, 1957.

SÃO PAULO, BRAZIL (CITY)

**São Paulo** (*Motion picture*) U. S. Coordinator of Inter-American Affairs in cooperation with U. S. Office of Strategic Services, 1944. Re-released for educational use in the United States through U. S. Office of Education, 1946.

SARATOGA CAMPAIGN, 1777

**Shipment to Saratoga** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

SARCOMA see Tumors

SARDINES

**It's the Maine sardine** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with Maine Sardine Packers Assn., 1949. Made by Sun Dial Films.

**Sardines from Maine, Down East style** (*Motion picture*) U. S. Fish and Wildlife Service, 1957. Made by Sundial Films.

SAVING AND THRIFT

**The crop that never fails** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Dept. of the Treasury, 1948.

SAWMILLS

**The small sawmill** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

SAWS

see also Band saws; Hacksaws; Variety saws

**Hacksaws** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1946.

SCABIES

**Psoroptic sheep and cattle scabies** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

SCAFFOLDING

see also Shoring and underpinning

**Rigid and swinging staging** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1946.

SCALDS see Burns and scalds

SCHISTOSOMIASIS

**Asiatic schistosomiasis** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

**Australorbis glabratus, vector of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

**Egg and miracidia of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

**The laboratory diagnosis of schistosomiasis** (*Filmstrip*) U. S. Public Health Service, 1948.

**Manson's blood fluke** (*Motion picture*) U. S. Public Health Service, 1948.

**Miracidia of Schistosoma japonicum** (*Motion picture*) U. S. Public Health Service, 1947.

**The pathology of schistosomiasis** (*Motion picture*) U. S. Public Health Service, 1948.

**Schistosomes in the primary host** (*Motion picture*) U. S. Public Health Service, 1946.

**Schistosomiasis** (*Motion picture*) U. S. Dept. of the Army, 1946.

**Schistosomiasis** (*Filmstrip*) U. S. Public Health Service, 1945.

SCHISTOSOMIASIS (Continued)

**Schistosomiasis—snail fever** (*Motion picture*) U. S. War Dept., 1945.

**The setting of endemic schistosomiasis in Puerto Rico** (*Motion picture*) U. S. Public Health Service, 1949.

**Sporocysts and cercariae of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1949.

SCHIZOPHRENIA

**Activity for schizophrenia** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

**Road to reason** (*Motion picture*) U. S. Veterans Administration, 1951.

SCHOOL AND COMMUNITY see Community and school

SCHOOL BUS DRIVERS see Motor bus drivers

SCHOOL CHILDREN

—FOOD

**Food for thought** (*Motion picture*) U. S. Fish and Wildlife Service, 1950. Made by Sun Dial Films.

**Kids must eat** (*Motion picture*) U. S. Dept. of Agriculture, 1945. Made by Wilding Pictures.

**Let's have more vitamin A and C foods in school lunches** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

**Preparing a school lunch** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

—TRANSPORTATION

**Passengers, driving hazards, safety** (*Motion picture*) U. S. Office of Education, 1945. Made by De Frenes & Co.

**Passengers, driving hazards, safety** (*Filmstrip*) U. S. Office of Education, 1945. Made by De Frenes & Co.

SCHOOL LUNCHES see School children—Food

SCHOOL TEACHING see Teaching

SCHOOL TRANSPORTATION see School children—Transportation

SCHOOLS

see also Correspondence schools and courses; Education; Evening and continuation schools; Military post schools; Rural schools; Technical education; Universities and colleges

**The school** (*Motion picture*) U. S. Office of Inter-American Affairs, 1946. Made by Julien Bryan. Released for educational use in the United States through U. S. Office of Education, 1949.

**School of the south** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1942. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

—CENTRALIZATION

**Board of education** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1951.

SCHOOLS, MILITARY see Military education

SCIATIC NERVE

**Partial neurorrhaphy of the sciatic nerve in the buttock** (*Motion picture*) U. S. War Dept., 1946.

**Peripheral nerve surgery. Part 1: Sciatic nerve** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Peripheral nerve surgery: Exploration of sciatic nerve in the thigh** (*Motion picture*) U. S. Veterans Administration, 1950.

SCIENCE, APPLIED see Technology

SCIENTIFIC EXPEDITIONS

—EQUIPMENT AND SUPPLIES

**U. S. naval Arctic operations: Equipment** (*Motion picture*) U. S. Dept. of the Navy, 1949. Released for public educational use through U. S. Office of Education.

SCIENTIFIC MANAGEMENT see Industrial management

SCIENTIFIC RESEARCH see Research

SCRAPERS

**Scraping flat surfaces** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

**Scraping flat surfaces** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

SCREW-THREADS

**Cutting an external acme thread** (*Motion picture*) U. S. Office of Education, 1945. Made by West Coast Sound Studios.

**Cutting an external acme thread** (*Filmstrip*) U. S. Office of Education, 1944. Made by Castle Productions Corp.

**Cutting an external national fine thread** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Cutting an external national fine thread** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

**Cutting an internal acme thread** (*Motion picture*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Cutting an internal acme thread** (*Filmstrip*) U. S. Office of Education, 1945. Made by Atlas Educational Film Co.

**Cutting threads with taps and dies** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

**Cutting threads with taps and dies** (*Filmstrip*) U. S. Office of Education, 1945. Made by Castle Productions Corp.

**Inspection of threads** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Inspection of threads** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

SCREWDRIVERS

**Pliers and screw drivers** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

SCREWS

**Making a cone point set screw** (*Motion picture*) U. S. Veterans Administration, 1949.

SCREWWORM

**Beltsville newsreel, no. 15** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Roundup** (*Motion picture*) U. S. Dept. of Agriculture, 1961.

SCRUB TYPHUS see Tsutsugamushi disease

SCULPTURE, AMERICAN

**Uncommon valor** (*Motion picture*) U. S. Dept. of the Navy, 1952.

SEA see Ocean

SEA-FISHERIES see Fisheries

SEA-POWER

**Security through seapower** (*Motion picture*) U. S. Dept. of the Navy, 1958.

SEA RESCUE EQUIPMENT see Aircraft survival equipment

SEA SOUNDINGS see Sounding and soundings

SEA-WATER

**Military oceanography: Occupying an oceanographic station** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Lewis Sound Films. Released for public educational use through U. S. Office of Education, 1951.

SEA WATER, DISTILLATION OF

**Griscom-Russell: How it works, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1949.

**Griscom-Russell: How it works, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Loucks and Norling Studios. Released for public educational use through U. S. Office of Education, 1949.

**Water purification: Vapor compression distillation** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

SEABEES see U. S. Navy. Construction Battalions

SEACOAST DEFENSES see Coast defenses

SEAMANSHIP

see also Knots and splices

—COLD WEATHER CONDITIONS

**Ice breaker** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Operations in sea ice: Convoy operations in sea ice** (*Motion picture*) U. S. Dept. of the Navy, 1956.

SEAPLANES

see also Amphibian planes; Planing hulls

**Anchoring and mooring seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1949.

**Beach approaches** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

**Beaching and launching small seaplanes and amphibians** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

**Beaching and launching VP boats** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1949.

**Fueling seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Produced by Sound Masters. Released for public educational use through U. S. Office of Education, 1949.

**Handling seaplanes on land** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1949.

**Towing seaplanes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1949.

—LAUNCHING

**Launching** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1946.

—MAINTENANCE AND REPAIR

**Emergency seaplane repair** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1949.

SEARCHES AND SEIZURES

**Apprehension and search of persons** (*Motion picture*) U. S. Dept. of the Army, 1956.

SECRET DEFENSE INFORMATION see Defense information, Classified

SECURITY, INTERNAL see Internal security

SECURITY, INTERNATIONAL

see also Mutual security program, 1951- ; Peace

**Will for peace** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Movietone News. Released for public educational use through U. S. Office of Education, 1952.

SECURITY MEASURES, INDUSTRIAL see Industry—Security measures

SEEDS

**Beltsville newsreel, no. 5** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

**Better seeds for better grasslands** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

**Harvesting native grass seed** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

SEIZURES see Searches and seizures

SELECTIVE SERVICE see Military service, Compulsory

SELF-CONTROL

**Self-control** (*Motion picture*) U. S. Dept. of the Army, [illegible].

SELF-GOVERNMENT see Democracy

SELF-INSTRUCTION see Correspondence schools and courses

SELF-RESPECT

**Personal integrity** (*Motion picture*) U. S. Dept. of the Army, [illegible].

SELF-SACRIFICE

**Sacrifice: destination of journey** (*Motion picture*) U. S. Dept. of the Army, [illegible].

SEMICONDUCTOR DEVICES see Transistors

SEMIOLOGY

see also Diagnosis

**Vital signs. Part 1: Cardinal symptoms** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Fordel Films.

**Vital signs. Part 2: Taking temperature, pulse, and respiration** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Fordel Films.

**Vital signs. Part 3: Taking blood pressure** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Fordel Films.

SENIOR CITIZENS see Aged

SENSITOMETRY, PHOTOGRAPHIC see Photographic sensitometry

SEPARATION OF ISOTOPES see Isotope separation

SEPTIC TANKS

**Constructing a typical household system** (*Motion picture*) U. S. Public Health Service, 1952.

**Principles of operation and design** (*Motion picture*) U. S. Public Health Service, 1952.

SERIGRAPHY

**Hasty sign making** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

SERRA, JUNÍPERO, FATHER, 1713-1784

**Rosary of the missions** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Pictures of California. Released for public educational use in the United States through U. S. Office of Education, 1954.

SEVENTEEN-YEAR LOCUST see Periodical cicada

SEWAGE

—PURIFICATION

**Activated sludge plant with vacuum filtration and incineration** (*Filmstrip*) U. S. Public Health Service, 1950.

**Chemical precipitation treatment plants with two-stage digestion** (*Filmstrip*) U. S. Public Health Service, 1950.

**Municipal sewage treatment processes** (*Motion picture*) U. S. Public Health Service, 1951.

**Primary treatment plants** (*Filmstrip*) U. S. Public Health Service, 1950.

**Trickling filter plants** (*Filmstrip*) U. S. Public Health Service, 1950.

SEWAGE DISPOSAL

see also Refuse and refuse disposal, Septic tanks, Water—Pollution

**Constructing a sanitary pit privy** (*Motion picture*) U. S. Public Health Service, [illegible].

**Constructing a sanitary pit privy** (*Filmstrip*) U. S. Public Health Service, [illegible].

**Constructing a typical household system** (*Motion picture*) U. S. Public Health Service, 1952.

**Farm water systems** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

**Principles of operation and design** (*Motion picture*) U. S. Public Health Service, 1952.

SEXTANT

**Aerial sextant, type A-7** (*Filmstrip*) U. S. Army Air Forces, [illegible]. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

**Celestial instruments. Part 2: Aerial sextants** (*Filmstrip*) U. S. Army Air Forces, [illegible]. Released for public educational use through U. S. Civil Aeronautics Administration, [illegible].

**The link sextant, air** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, [illegible].

**The Pioneer bubble sextant, Mark 5, part 1** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, [illegible].

**The Pioneer bubble sextant, Mark 5. Part 2: Averaging device, adjustments, and practical use** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, [illegible].

**The sextant** (*Filmstrip*) U. S. Coast Guard, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

**The sextant, surface** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, [illegible].

SEXUAL ETHICS

see also Hygiene, Sexual

**To be held in honor** (*Motion picture*) U. S. Dept. of the Navy, [illegible]. Made by Universal Productions. Released for public educational use through U. S. Office of Education, 1951.

SHAPE see Supreme Headquarters, Allied Powers, Europe

SHAPERS

**Cutting a keyway on end of a finished shaft** (*Motion picture*) U. S. Office of Education, 1941. Made by Emerson Yorke Studio.

**Cutting a keyway on end of a finished shaft** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Cutting grooves with circular saw blades** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Cutting grooves with circular saw blades** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Feuillurage et moulurage d'un champ sur un matériel droit** (*Motion picture*) U. S. Office of Education, [illegible].

**Machining a cast iron rectangular block** (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

**Machining a cast iron rectangular block** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Machining a tool steel V block** (*Motion picture*) U. S. Office of Education, 1942. Made by Emerson Yorke Studio.

**Machining a tool steel V block** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Rabbeting and shaping an edge on straight stock** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Rabbeting and shaping an edge on straight stock** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**The shaper** (*Filmstrip*) U. S. Army Air Forces, [illegible]. Released for public educational use through U. S. Office of Education, [illegible].

**The shaper** (*Motion picture*) U. S. Office of Education, [illegible]. Made by Loucks and Norling Studios.

**The shaper** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by Loucks and Norling Studios.

**Shaping after template and shaping curved edges** (*Motion picture*) U. S. Office of Education, [illegible]. Made by R. C. M. Productions.

**Shaping after template and shaping curved edges** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by R. C. M. Productions.

SHEARS (MACHINE-TOOLS)

**Blanking sheet metal on the squaring shear** (*Motion picture*) U. S. Office of Education, [illegible]. Made by Jam Handy Organization.

**Blanking sheet metal on the squaring shear** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by Jam Handy Organization.

**Blanking with rotary and high speed shears** (*Motion picture*) U. S. Office of Education, [illegible]. Made by Tradefilms.

**Blanking with rotary and high speed shears** (*Filmstrip*) U. S. Office of Education, [illegible]. Made by Tradefilms.

SHEEP

see also Ewes

**Tailor-made sheep** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

—DISEASES

**Blue tongue** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Defense Administration and California Dept. of Agriculture, 1954.

**Pneumonic sheep and cattle scabies** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

**Scrapie** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration and California Dept. of Agriculture, 1954.

SHEEP BREEDING

**Beltsville newsreel, no. 14** (*Motion picture*) U. S. Dept. of Agriculture, [illegible].

SHEEP BREEDS

**Breeds of sheep** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible].

SHEEP-SHEARING

**Sheep shearing** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Sheep shearing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

SHEET-METAL WORK

see also Metal-spinning

**Assembling in a jig: Drilling and riveting** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Drilling and riveting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Fitting and lining up** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Assembling in a jig: Fitting and lining up** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Blanking and piercing** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

**Blanking sheet metal on the squaring shear** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Blanking sheet metal on the squaring shear** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Blanking sheet metal with hand snips** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

**Blanking sheet metal with hand snips** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

SHEET-METAL WORK (Continued)

**Blanking with rotary and high speed shears** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Blanking with rotary and high speed shears** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Blanking with the swing arm router** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Blanking with the swing arm router** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Dimpling and countersinking** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Dimpling and countersinking** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drawing, stretching, and stamping** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1948.

**Drilling with portable drill motors** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Drilling with portable drill motors** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Driving and bucking rivets** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Driving and bucking rivets** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Fabricating metal aircraft** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Fabricating metal aircraft** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Filing template metal** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

**Filing template metal** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

**Finish forming by hand** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

**Finish forming by hand** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

**Forming on a hand operated brake** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Forming on a hand operated brake** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Forming on rotary machines** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Forming on rotary machines** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Forming on the stretching machine** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Forming on the stretching machine** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Forming with a drop hammer** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Forming with a drop hammer** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Forming with rubber on the hydraulic press** (*Motion picture*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Forming with rubber on the hydraulic press** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jam Handy Organization.

**Making a master contour template** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a master contour template** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a master developed layout, part 1** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a master developed layout, part 1** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a master developed layout, part 2; and making the form block** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a master developed layout, part 2; and making the form block** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making sheet metal repairs** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Making sheet metal repairs** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**Removing defective rivets** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Removing defective rivets** (*Filmstrip*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**Sand bag bumping** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Brebach. Released for public educational use through U. S. Office of Education, 1948.

**Sawing template metal** (*Motion picture*) U. S. Office of Education, 1943. Made by Bray Studios.

**Sawing template metal** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

**Spinning** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1948.

**Squeeze riveting: Stationary and portable riveters** (*Motion picture*) U. S. Office of Education, 1943. Made by Tradefilms.

**Squeeze riveting: Stationary and portable riveters** (*Filmstrip*) U. S. Office of Education, 1943. Made by Tradefilms.

**The transition piece: Square to round layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Tube and shape bending** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1948.

**Vaned elbow: Layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Vaned elbow: Layout and fabrication** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Watertight covers** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Watertight covers. Part 1: Layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Watertight covers. Part 2: Assembly** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

—PATTERN-MAKING

**The transition piece: Square to round layout and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Transition piece: Square to round layout and fabrication** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

—TESTING

**Inspection of minor assemblies** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Inspection of minor assemblies** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Inspection of sheet metal parts** (*Motion picture*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

**Inspection of sheet metal parts** (*Filmstrip*) U. S. Office of Education, 1944. Made by Jamieson Film Co.

SHELL-HEAPS see Kitchen-middens

SHELTERS, AIR RAID see Air raid shelters

SHINBONE see Tibia

SHIP-BUILDING

see also Hulls (Naval architecture); Marine engines; Propellers; Shipfitting; Ships, Iron and steel; Steering-gear

**Bending oak techniques** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Eastern Sound Studios. Released for public educational use through U. S. Office of Education, 1950.

**Establishing construction lines, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Establishing construction lines, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

**Fundamental lines and sections** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Fundamental lines and sections** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Lifting templates for a foundation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Lifting templates for a foundation** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Location of decks and compartments** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Location of decks and compartments** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Shipbuilders of Essex** (*Motion picture*) U. S. Dept. of State, 1945. Made by Joseph Krumgold. Released for educational use in the United States through U. S. Office of Education, 1950.

**Ship's blueprints: Basic** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Ship's blueprints: Basic** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Simple foundation** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

**Simple foundation. Part 1: Layout** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Simple foundation. Part 2: Assembly and installation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SHIP MAINTENANCE see Ships—Maintenance and repair

SHIP PROPULSION

see also Propellers

**Cycloidal and hydraulic jet propulsion** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1950.

**Ships' propulsion transmission system: Clutches and couplings** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

SHIPFITTING

see also Hulls (Naval architecture)

**The bulkhead: Laying off and fitting a centerline stiffener** (*Motion picture*) U. S. Office of Education, 1943. Made by Jam Handy Organization.

**The bulkhead: Laying off and fitting a centerline stiffener** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

**The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

SHIPFITTING (Continued)

**The bulkhead: Setting a transverse watertight bulkhead into the hull** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

**The bulkhead: Setting a transverse watertight bulkhead into the hull** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Deck girders: Subassembly** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

**Deck girders: Subassembly** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.

**Deck plates: Regulating and setting** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

**Deck plates: Regulating and setting** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**The deck: Setting a web frame and a transverse beam** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

**The deck: Setting a web frame and a transverse beam** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

**Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**The innerbottom: Setting up floors and longitudinals** (*Motion picture*) U. S. Office of Education, 1942. Made by Jam Handy Organization.

**The innerbottom: Setting up floors and longitudinals** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

**Side frames: Subassembly of a web frame** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

**Side frames: Subassembly of a web frame** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions.

**Simple foundation. Part 2: Duplication and fabrication** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SHIPMENT OF GOODS

see also Materials handling; Packaging; Packing for shipment

**Importance of military packaging** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Packaging and packing: Marking** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Shipment of household goods** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Sarra, inc. Released for public educational use through U. S. Office of Education, 1954.

SHIPPING

see also Coastwise shipping; Inland navigation; Merchant marine; Unitized cargo systems

**Lake carrier** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

**Story of the Great Lakes** (*Motion picture*) U. S. Coast Guard, 1954.

SHIPPINGPORT, PA. NUCLEAR POWER STATION

**Power and promise** (*Motion picture*) U. S. Atomic Energy Commission, 1960. Made by Mode-Art Pictures.

SHIPS

see also Ice-breaking vessels; Merchant marine; Navigation; Seamanship; Submarine boats

—CARGO

see also Cargo handling

**Prevention of pilferage. Part 2: On ships and wharves** (*Motion picture*) U. S. Dept. of the Army, 1951.

—LAUNCHING

**Fitting and installing packing** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Fore poppets and internal shoring construction** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Fore poppets and internal shoring construction** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Vocafilm Corp. Released for public educational use through U. S. Office of Education, 1948.

**Ground ways** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Placing sliding ways** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Preparation for stern launching, DD445 class** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Stern launching, DD445 class** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

—MAINTENANCE AND REPAIR

see also Damage control (Warships)

**Naval shipyards serve the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**Removing a section of piping aboard ship** (*Motion picture*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**The zipper fleet** (*Motion picture*) U. S. Dept. of the Navy, 1947.

—MASTS AND RIGGING see Masts and rigging

—PAINTING

**Painting ships bottoms: Hot and cold plastic anti-fouling paint** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

**Painting ships bottoms: Sandblasting** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

**Topside painting: Application** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

**Topside painting: Preparation** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1951.

—PIPE-FITTING see Marine pipe-fitting

—RADIO see Radio—Installation on ships; Radio in navigation

—SANITATION

**Shipboard inspection by medical department personnel: Food storage** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard inspection by medical department personnel: Living and working spaces** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard inspection by medical department personnel: Water supply** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

—TERMINOLOGY

**Fundamental lines and sections** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Fundamental lines and sections** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Location of decks and compartments** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

**Ship's nomenclature** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

—WATER-SUPPLY

**Shipboard inspection by medical department personnel: Water supply** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

SHIPS, ELECTRICITY ON see Electricity on ships

SHIPS, IRON AND STEEL

**Simple foundation** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

SHIPS' LIGHTS

see also Collisions at sea—Prevention

**City of Rome incident** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Lights, running and anchor** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Lights, vessels being towed** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Special lights** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Towing lights** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

SHIPWRECKS

see also Collisions at sea; Life-saving; Life-saving apparatus; Survival (after aeroplane accidents, shipwrecks, etc.)

**[illegible]ll boat disaster prevention** (*Motion picture*) U. S. [illegible]ept. of the Navy, 1951.

SHIPWRIGHT

**Preparing and setting a keelblock and bottom cradle** (*Motion picture*) U. S. Office of Education, 1942. Made by Caravel Films.

**Preparing and setting a keelblock and bottom cradle** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

SHOCK

**Use of whole blood, blood plasma, and concentrated serum albumin (with special reference to shock)** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Film Graphics.

SHOOTING

see also Firearms; Gunnery; Rifle practice

**Trigger squeeze, M1 rifle** (*Motion picture*) U. S. Dept. of the Army, 1953.

SHOOTING, MILITARY

see also Artillery; Ballistics

**Combat firing with hand guns** (*Motion picture*) U. S. War Dept., 1944.

SHOP PRACTICE see Machine-shop practice

SHOPPERS' GUIDES see Consumer education; Shopping

SHOPPING

see also Marketing (Home economics)

**How America shops** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

SHORING AND UNDERPINNING

see also Scaffolding

**ABC warfare defense ashore: Rescue operations, lifting devices, shoring** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Caravel Films.

SHORT WAVE RADIO see Radio, Short wave

SHOULDER

—SURGERY

**Surgical approaches to the scapulohumeral joint** (*Motion picture*) U. S. Veterans Administration, 1950. Made by Churchill-Wexler Film Productions.

SHOVELS

**Crane shovel unit, Bucyrus Erie, crawler mounted: adjustment of main operating clutches and brakes** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Engineer power shovel and attachments** (*Motion picture*) U. S. War Dept., 1944.

SHRIMPS

**Shrimp please** (*Motion picture*) U. S. Fish and Wildlife Service in cooperation with the shrimp industry of Louisiana and Mississippi, 1954. Made by Byron, inc.

SICK

see also Diet-kitchens; Hospitals; Nurses and nursing

**Basic care of patients. Part 4: Physical comforts** (*Motion picture*) U. S. Dept. of the Army, 1957.

SIGHT see Vision

SIGNALS AND SIGNALING

see also Collisions at sea—Prevention; Fog-signals; Military telegraph; Military telephone; Morse code; Rule of the road at sea; Ships' lights

**Crossing at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Meeting at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Meeting steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Overtaking at night** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Overtaking situation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

**Radio navigation: The radio range** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Ray-Bell Films. Released for public educational use through U. S. Office of Education, 1947.

**Use of radio and visual signaling devices** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Visual day signals** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1949.

**Whistle signals for approaching steam vessels** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1944.

SIGNED NUMBERS

**Beginning algebra I, lecture 7: Statistical averages; addition and subtraction of directed numbers** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra I, lecture 8: Multiplication and division of directed numbers** (*Motion picture*) U. S. Dept. of Defense, 1956.

SILICATES

**Dental materials: Specification and certification** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1953.

**A method of mixing silicate cement** (*Motion picture*) U. S. National Bureau of Standards in cooperation with Council on Dental Research, American Dental Association, 1953.

**Silicate cement** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1947.

SILICON CARBIDE

**Manufactured abrasives** (*Motion picture*) U. S. Bureau of Mines in cooperation with Carborundum Co., 1949.

SILK SCREEN PROCESS see Serigraphy

SILOS

**Beltsville newsreel, no. 3** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

SILUNDUM see Silicon carbide

SIMULTANEOUS EQUATIONS see Equations, Simultaneous

SKIN

see also Mole (Dermatology)

—DISEASES

**Dermatology and syphilology. Part 3: Bacterial skin infections** (*Filmstrip*) U. S. Dept. of the Army, 1957.

**Dermatology and syphilology. Part 4: Dermatitis and allergy** (*Filmstrip*) U. S. Dept. of the Army, 1957.

SKIN-DIVING see Diving, Submarine

SKIN-GRAFTING

**Management of burns, part 3: Skin grafting** (*Motion picture*) U. S. Dept. of the Army, 1959.

SKIS AND SKIING

**Cold weather rescue** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Reid H. Ray Film Industries.

**Ski safety** (*Motion picture*) U. S. War Dept., 1942.

**Ski safety: First aid and emergency repair of equipment** (*Motion picture*) U. S. War Dept., 1942.

**Snow ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

SKULL

see also Head; Jaws

—SURGERY

**Technique of tantalum cranioplasty** (*Motion picture*) U. S. Dept. of the Army, 1948.

SLAG WOOL see Mineral wool

SLASH (LOGGING)

**Use of fire in slash disposal** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

SLAVERY IN THE U. S.

—ANTI-SLAVERY MOVEMENTS

**American history I, lecture 12: Changes in American society and culture** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 14: The slavery issue leads to Southern secession** (*Motion picture*) U. S. Dept. of Defense, 1956.

SLEEPING-SICKNESS

**Insect repellent, part 3** (*Motion picture*) U. S. Dept. of the Army, 1954.

SLEEPLESSNESS see Insomnia

SLIDE-RULE

**Slide rule operation and application. Part 3: Solving special basic problems** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**The slide rule: Proportion, percentage, squares, and square roots** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**The slide rule: Proportion, percentage, squares, and square roots** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**The slide rule: The "C" and "D" scales** (*Motion picture*) U. S. Office of Education, 1943. Made by Loucks and Norling Studios.

**The slide rule: The "C" and "D" scales** (*Filmstrip*) U. S. Office of Education, 1943. Made by Loucks and Norling Studios.

SLIDEFILMS see Filmstrips

SLINGS

**Slinging load** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1946.

SMALL ARMS see Firearms

SMALL BUSINESS

**How to live with an Air Force contract** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

SMALLPOX

**Smallpox vaccination** (*Filmstrip*) U. S. Dept. of the Army, 1947.

—PREVENTION

see also Vaccination

**Vaccinate against smallpox** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Variola** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**La viruela** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

SMALLPOX, INOCULATION OF

**Military immunization: Smallpox vaccination** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

SMITHSONIAN INSTITUTION

**Let's visit the Smithsonian** (*Filmstrip*) Smithsonian Institution, 1957.

SMOG

**Smog: The Pittsburgh story** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

SNAILS

**Australorbis glabratus, vector of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

**Egg and miracidia of Schistosoma mansoni** (*Motion picture*) U. S. Public Health Service, 1947.

SNAKE POISONS see Venom

SNAKE RIVER

**The Columbia: River of planned destiny** (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.

SNOW

see also Avalanches; Building, Ice and snow

**Snow harvest** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

**Snow survey** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

SNOW REMOVAL

**Navy Sierra snow tests** (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1953.

**Sierra snow removal tests** (*Motion picture*) U. S. Dept. of the Navy, 1953. Released for public educational use through U. S. Office of Education, 1953.

SNOW SURVEYS

**Crevasse location and mapping** (*Motion picture*) U. S. Army Engineers, 1958.

SNOWSHOES AND SNOWSHOEING

**Cold weather seabee** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Reid H. Ray Film Industries.

SOCIAL CENTERS see Community centers

SOCIAL GROUPS

see also Leadership

**Group living** (*Motion picture*) U. S. Dept. of the Army, 1950.

SOCIAL HYGIENE see Venereal diseases

SOCIAL SECURITY see Insurance, Social

SOCIAL SERVICE

see also Community organization; Federations, Financial (Social service); Medical social work; Military social work

**A community advisory service** (*Motion picture*) U. S. Dept. of State, 1949. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

**Head of the house** (*Motion picture*) U. S. Information Agency, 1953. Made by Mental Health Film Board. Released for public educational use in the United States through U. S. Office of Education, 1954.

SOCIAL WORKERS

**The social worker** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

SODIUM GRAPHITE REACTORS

**Sodium graphite reactor progress report** (*Motion picture*) U. S. Atomic Energy Commission, 1956. Made by North American Aviation.

**Sodium reactor experiment fabrication** (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by North American Aviation.

SOIL ABSORPTION

**Appraising soils for soil absorption systems** (*Motion picture*) U. S. Public Health Service, 1953.

SOIL BANK PROGRAM

**Conservation reserve of the soil bank** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**My conservation reserve acres** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Your soil bank** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

SOIL CONSERVATION

see also Cover crops; Erosion

**Como cuidar da terra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Conservação do solo** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Conservación de la tierra fértil** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Corn belt farmers fight erosion** (*Filmstrip*) U. S. Dept. of Agriculture, [illegible]

**Developing pastures establishing alfalfa under wind erosion hazard** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

**Erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**Establishment and maintenance of grassed waterways** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**First things first** (*Filmstrip*) U. S. Dept. of Agriculture, 1943.

**Food and soil** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**From the ground up** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Plant Food Institute, 1955.

**Grass: The big story** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**The great flood** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Harvesting native grass seed** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Harvests for tomorrow** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

**Hay que alimentar la tierra** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**A heritage we guard** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

**In common cause** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**The land and the Book** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**The land must eat** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**My conservation reserve acres** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Our magic land** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the U. S. Dept. of the Interior and the Boy Scouts of America, 1957.

**Preventing wind erosion on the Great Plains: Economic problems** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Planting grasses** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Range grazing practices** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Stubble mulch farming** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Tillage practices** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Tree windbreaks** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Raindrops and soil erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Rebuilding with grass** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Save the soil** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

**Soil and water conservation** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**Soil and water conservation by the beaver** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

**Soil conservation benefits wildlife** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**Soil conservation is your business** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Soil erosion and its control in orchards** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

**Soil erosion in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

**Strip cropping for wind erosion control and vetch in corn for soil improvement** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Topsoil** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**Tree planting and land use** (*Filmstrip*) U. S. Dept. of Agriculture, 1941.

**Upstream where floods begin** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Water** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

**Wildlife and soil conservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Wildlife management through soil conservation in the northeast** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**Wind erosion control under irrigation** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

**Wind erosion; its control on the southern Great Plains** (*Filmstrip*) U. S. Dept. of Agriculture, 1957.

**Your soil, your future** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

—JUVENILE FILMS

**The golden secret** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

—STUDY AND TEACHING

**Conservation vistas** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

SOIL CULTIVATION see Tillage

SOIL EROSION see Erosion

SOIL FUNGI see Soil micro-organisms

SOIL MECHANICS

**Soil explorations** (*Motion picture*) U. S. Army Engineers, 1951.

**Soil tests for earth construction** (*Motion picture*) U. S. Army Engineers, 1951.

SOIL MICRO-ORGANISMS

**Fungi snare and destroy nematodes** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

SOIL-SURVEYS

see also Soils—Classification

**From the ground up** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the National Plant Food Institute, 1955.

SOILS

see also Burning of land; Compost; Mulching; Reclamation of land; Tillage

**Topsoil** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

—ANALYSIS

**Soil tests for earth construction** (*Motion picture*) U. S. Army Engineers, 1951.

—CLASSIFICATION

**Farm to fit your land** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Know your land** (*Filmstrip*) U. S. Dept. of Agriculture, 1949.

**Soil explorations** (*Motion picture*) U. S. Army Engineers, 1951.

SOLAR COMPASS

**Operation of the astro-compass** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Secondary uses of the astro-compass** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

SOLDER AND SOLDERING

see also Brazing; Welding

**Hand soldering** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

**Hand soldering** (Filmstrip) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

**High frequency soldering** (*Motion picture*) U. S. Office of Education, 1944. Made by Loucks and Norling Studios.

**High frequency soldering** (*Filmstrip*) U. S. Office of Education, 1944. Made by Loucks & Norling Studios.

**Joining solid conductors** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Joining solid conductors** (*Filmstrip*) U. S. Office of Education, 1945. Produced by Ray-Bell Films.

**Making a wrapped and soldered splice** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Making a wrapped and soldered splice** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Soldering lugs and splicing stranded conductors** (*Motion picture*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

SOLDER AND SOLDERING (Continued)

**Soldering lugs and splicing stranded conductors** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ray-Bell Films.

**Tinning and solder wiping** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Tinning and solder wiping** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**The use of soldering coppers** (*Motion picture*) U. S. Dept. of the Navy, 1944.

SOLDIERS

see also Military art and science; Veterans

**Citizen in arms** (*Motion picture*) U. S. Dept. of the Army, 1948.

**Code of conduct. Article 1: Our heritage** (*Motion picture*) U. S. Dept. of the Army, 1960.

**The long rifle** (*Motion picture*) U. S. Dept. of the Army, 1951.

**Ring of steel** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

—CIVIL EMPLOYMENT see Veterans —Employment

—EDUCATION, NON-MILITARY

**Armed forces education: Take time for tomorrow** (*Motion picture*) U. S. Dept. of the Navy, 1949. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1950.

**Keep on learning** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**Troop information and education in the field** (*Motion picture*) U. S. Dept. of the Army, 1953.

—HYGIENE see Military hygiene

—RECREATION

**Army crafts program** (*Filmstrip*) U. S. Dept. of the Army, 1953.

**Once too often** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

**Recreation center operation** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**Recreation leadership** (*Motion picture*) U. S. Dept. of the Army, 1953.

**The soldier at leisure** (*Motion picture*) U. S. Dept. of the Army, 1952.

**U. S. Army service clubs** (*Filmstrip*) U. S. Dept. of the Army, 1954.

—RELIGIOUS LIFE

**As deep as the heart** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

SOLDIERS' BODIES, DISPOSITION OF

**Your proudest duty** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1951.

SOLUBLE FERMENTS see Enzymes

SOPORIFICS see Narcotics

SOUND

see also Noise; Vibration

**Operation of industrial hygiene survey equipment: The sound analyzer** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

SOUNDING AND SOUNDINGS

see also Bathythermograph

**The fathometer** (*Filmstrip*) U. S. Coast Guard, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Hydrography for charting: Sounding and dragging** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

**The lead line, fathometer** (*Filmstrip*) U. S. Coast Guard, 1942. Released for public educational use through U. S. Office of Education, 1948.

SOUTH AMERICA

**Good neighbor family** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

SOUTHERN STATES

**American history I, lecture 16: The Southern States are restored to the Union** (*Motion picture*) U. S. Dept. of Defense, 1956.

SOUTHWEST, NEW

**And now Miguel** (*Motion picture*) U. S. Information Agency, 1953. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1954.

**Towers above the sand** (*Motion picture*) U. S. Army Engineers, 1954.

SOVIET UNION see Russia

SOY-BEAN

**Types of damaged kernels and other conditions** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

SOY-BEAN OIL

**Beltsville newsreel, no. 16** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

SPACE, OUTER see Outer space

SPACE EXPLORATION (ASTRONAUTICS) see Outer space—Exploration

SPACE FLIGHT

see also Astronautics

**Challenge of outer space** (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

**Performance of long range hypervelocity vehicles** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

**Space guidance and control** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

SPACE FLIGHT TO MARS

**Space navigation** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

SPACE-PERCEPTION

see also Orientation

**Spatial disorientation in flight** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

SPACE SHIPS

**Performance of long range hypervelocity vehicles** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

**Space guidance and control** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

SPACE SUITS see Pressure suits

SPAIN

**Spain** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

SPANISH AMERICA

**The near horizon** (*Motion picture*) U. S. Information Agency, 1955. Made by Thomas Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1955.

—RELATIONS (GENERAL) WITH THE U. S.

**American history II, lecture 9: America's relations with her neighbors to the south** (*Motion picture*) U. S. Dept. of Defense, 1956.

SPANISH-AMERICAN WAR, 1898 see U.S. —History—War of 1898

SPANISH MISSIONS OF CALIFORNIA

**Rosary of the missions** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Pictures of California. Released for public educational use in the United States through U. S. Office of Education, 1954.

SPANNERS see Wrenches

SPARK-PLUGS

**Ignition and spark plug** (*Motion picture*) U. S. Army Air Forces, 1944.

**Servicing spark plugs and ignition wiring** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Servicing spark plugs and ignition wiring** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**The story of a spark plug** (*Motion picture*) U. S. Bureau of Mines in cooperation with Champion Spark Plug Co., 1949.

SPEAKING see Oratory

SPECIFIC GRAVITY

see also Gravity

**Experimental diving unit: Specific gravity of healthy men** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

SPECTROMETER

**Optical, inspection methods, part 2** (*Motion picture*) U. S. Dept. of the Navy with the cooperation of U. S. Office of Education, 1944. Made by Coronet Films. Released for public educational use through U. S. Office of Education, 1946.

SPEECH

see also Oral communication

**Articulatory movements in the production of English speech sounds. Part 1: Consonants** (*Motion picture*) U. S. Veterans Administration, 1953.

**Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides** (*Motion picture*) U. S. Veterans Administration, 1954.

SPEECH, LIBERTY OF see Liberty of speech

SPEECH-READING see Deaf—Means of communication

SPEED LIMITS

**Motor vehicle spot speed studies: Setting up mirror boxes** (*Motion picture*) U. S. Dept. of the Army, 1956.

SPINAL COLUMN see Spine

SPINAL CORD

see also Nervous system; Reflexes

—WOUNDS AND INJURIES

**Early care of the patient with a spinal cord injury** (*Motion picture*) U. S. Dept. of the Army, [illegible].

**Management of spinal cord injury cases** (*Motion picture*) U. S. Veterans Administration, 1947.

**Neurosurgery: Management of spinal cord injuries** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

SPINAL THERAPY see Spondylotherapy

SPINE

—PUNCTURE

**Lumbar puncture** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

—SURGERY

**Surgical approaches to the spine and sacroiliac** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

SPINNING, METAL see Metal-spinning

SPIROCHETES

**Introduction to the fluorescent treponemal antibody test** *(Motion picture)* U. S. Public Health Service, 1960.

SPLICING see Knots and splices

SPLINTS (SURGERY)

**Applying the army leg splints** *(Filmstrip)* U. S. War Dept., 1945.

**Construction of screw lock sectional splint** *(Motion picture)* U. S. Dept. of the Army, 1947.

**Intramaxillary multiple loop wiring in treatment of jaw fractures** *(Motion picture)* U. S. Dept. of the Army, 1952.

**Skeletal fixation by the Stader splint, fractures of the os calcis** *(Motion picture)* U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1946.

**Skeletal fixation by the Stader splint, fractures of the tibia** *(Motion picture)* U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1946.

SPONDYLOTHERAPY

**Convalescent care and rehabilitation of patients with injury to the spinal cord** *(Motion picture)* U. S. War Dept., 1946.

SPORTS

see also Aquatic sports; Olympic games; Outdoor life; Track-athletics; Winter sports

**I & E sportsreel, no. 200** *(Motion picture)* U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 201** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 202** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 203** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 204** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 205** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 206** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 207** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 208** *(Motion picture)* U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army

**I & E sportsreel, no. 211** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 212** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 213** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 215** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 216** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 217** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 218** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 219** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 220** *(Motion picture)* U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 221** *(Motion picture)* U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E sportsreel, [illegible]23** *(Motion picture)* U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 224** *(Motion picture)* U. S. Dept. of Defense, 1958.

**I & E sportsreel, no. 225** *(Motion picture)* U. S. Dept. of Defense, 1958.

**I & E sportsreel, no. 226** *(Motion picture)* U. S. Dept. of Defense [illegible]58.

**I & E sportsreel, no. 227** *(Motion picture)* U. S. Dept. of Defense, 1958.

**I & E sportsreel, no. 228** *(Motion picture)* U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 229** *(Motion picture)* U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 230** *(Motion picture)* U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 231** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 232** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 233** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 234** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 235** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 236** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 237** *(Motion picture)* U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E sportsreel, no. 238** *(Motion picture)* U. S. Dept. of Defense, 1959.

SPOT WELDING see Electric welding

SPOTTED ALFALFA APHID

**Beltsville newsreel, no. 17** *(Motion picture)* U. S. Dept. of Agriculture, 1958.

SPRAY PAINTING

**Spray-painting equipment** *(Filmstrip)* U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Using a portable spray gun** *(Motion picture)* U. S. Office of Education, 1945. Made by Tradefilms.

**Using a portable spray gun** *(Filmstrip)* U. S. Office of Education, 1945. Made by Tradefilms.

SPRAYING

see also Aeronauti[illegible] mosquito control; Insecticides

**DDT as a mosquito larvicide** *(Motion picture)* U. S. Public Health Service, 1954.

**DDT as a mosquito larvicide** *(Filmstrip)* U. S. Public Health Service, 1947.

**Flame spraying of thiokol** *(Motion picture)* U. S. Dept. of the Navy, 1954. Made by Academy Productions.

**H[illegible]d spraying of DDT** *(Filmstrip)* U. S. Public Health Service, 1946.

**Power spraying with DDT** *(Filmstrip)* U. S. Public Health Service, 1945.

**Space spraying** *(Motion picture)* U. S. Public Health Service, 1954.

**Spraying equipment and procedures. Part 1: Residual spraying** *(Motion picture)* U. S. Public Health Service, 1951.

SPRAYING EQUIPMENT

**Equipment for hand spraying of DDT** *(Filmstrip)* U. S. Public Health Service, 1947.

**Power spraying with DDT** *(Filmstrip)* U. S. Public Health Service, 1945.

SPRINKLING SYSTEMS see Fire sprinklers

SPRUCE BUD-WORM

**[illegible]e silent killer** *(Motion picture)* U. S. Dept. of Agriculture, 1959.

SPUTUM

**Collection of sputum specimens** *(Filmstrip)* U. S. Public Health Service, 1953.

**Preparation of sputum specimens** *(Motion picture)* U. S. Public Health Service, 1949.

**Preparation of sputum specimens** *(Filmstrip)* U. S. Public Health Service, 1949.

SQUARE ROOT

see also Roots, Numerical

**Beginning algebra II, lecture 12: Powers, roots, and radicals** *(Motion picture)* U. S. Dept. of Defense, 1956.

STABILITY OF AEROPLANES

**Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model** *(Motion picture)* U. S. National Advisory Committee for Aeronautics, 1956.

**Investigations of dynamic stability and controllability in the Langley free-flight tunnel** *(Motion picture)* U. S. National Advisory Committee for Aeronautics, 1951.

**Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers** *(Motion picture)* U. S. National Advisory Committee for Aeronautics, 1956.

STABILITY OF HELICOPTERS

see also Automatic pilot (Helicopters); Helicopters—Handling characteristics

**Helicopter: Vibrations and resonance. Part 1: Vibrations in the H-13** *(Motion picture)* U. S. Dept. of the Air Force, 1957.

**Helicopter: Vibrations and resonance. Part 2: Vibrations in the H-19** *(Motion picture)* U. S. Dept. of the Air Force, 1957.

**Helicopter: Vibrations and resonance. Part 3: Vibrations in the H-21** *(Motion picture)* U. S. Dept. of the Air Force, 1957.

**Helicopter: Vibrations and resonance. Part 4: Ground resonance** *(Motion picture)* U. S. Dept. of the Air Force, 1957.

STAGING (CONSTRUCTION) see Scaffolding

STAINLESS STEEL see Steel, Stainless

STAINS AND STAINING (MICROSCOPY)

**The preparation of hematoxylin stained smears for diagnosis of intestinal protozoa** *(Filmstrip)* U. S. Public Health Service, 1960.

STAIR BUILDING

**Fundamentals of stair layout** *(Motion picture)* U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

STAIRCASES

**Fundamentals of stair layout** *(Motion picture)* U. S. Dept. of the Navy, 1950. Made by All Scope Pictures. Released for public educational use through U. S. Office of Education, 1950.

STALLING (AERODYNAMICS)

**Helicopter: Emergency procedures. Part 3: Emergency procedures in the H-19** *(Motion picture)* U. S. Dept. of the Air Force, 1957.

**Slow-speed flight characteristics of swept-wing aircraft** *(Motion picture)* U. S. Dept. of the Navy, 1957. Made by Caravel Films.

STAMINA, PHYSICAL see Physical fitness

STANDARD TIME see Time—Systems and standards

STANDARDIZATION

see also Quality control; Testing

**Keep 'em running** *(Motion picture)* U. S. Army Engineers, 1953.

**Standardization** *(Motion picture)* U. S. Dept. of the Navy, 1955. Made by Academy Pictures.

STANDARDS OF MASS

**Testing mass standards by substitution** *(Motion picture)* U. S. National Bureau of Standards, 1956.

STAPHYLOCOCCAL DISEASE

**Epidemiology of staphylococcal infection** (*Motion picture*) U. S. Public Health Service, 1958.

**Epidemiology of staphylococcal infection** (*Filmstrip*) U. S. Public Health Service, 1958.

**Prevention and control of staphylococcal infections** (*Motion picture*) U. S. Public Health Service, 1958.

**Staphylococcal disease: Manifestations, prevention and control** (*Filmstrip*) U. S. Public Health Service, 1959.

STAPHYLOCOCCUS

**An outbreak of Staphylococcus intoxication** (*Motion picture*) U. S. Public Health Service, 1954.

THE STAR-SPANGLED BANNER

**The national anthem** (*Motion picture*) U. S. Marine Corps, 1960. Made by U. S. Dept. of the Navy.

STARS

see also Astronomy; Constellations

**Star identification** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

STATE AND AGRICULTURE and Agriculture and state

STATE AND INDUSTRY see Industry and state

STATE VISITS see Visits of state

STATISTICS OF SAMPLING see Sampling (Statistics)

STEALING

**Prevention of pilferage. Part 1: Depots and warehouses** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Prevention of pilferage. Part 2: On ships and wharves** (*Motion picture*) U. S. Dept. of the Army, 1951.

STEAM

**The boiler** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

STEAM-BOILERS

see also Feed-water; Injectors; Steam-engines; Superheaters

**Boiler repair, water side: Removing boiler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

STEAM-BOILERS, MARINE

**The boiler** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Boiler repair, water side: Closing the boiler** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repair, water side: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repair, water side: Replacing boiler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repairs, fire side: Building walls and floors** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repairs, fire side: High temperature castable refractories** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repairs, fire side: Installing plastic chrome ore** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repairs, fire side: Installing plastic fire brick** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Combustion control** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Fireroom operation: preliminary and emergency** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

**Superheat control** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

STEAM-BOILERS, WATER-TUBE

**Boiler repair, water side: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repair, water side: Removing boiler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

**Boiler repair, water side: Replacing boiler tubes** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Meridian Films Corp.

STEAM-ENGINES

see also Condensers (Steam); Indicators for steam-engines; Locomotives; Marine engines; Steam-turbines

**Basic principles of the reciprocating engine** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Marine installations** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1946.

**Reciprocating engine construction** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

—VALVE-GEARS

**Valve types and reversing gears** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

STEAM-ENGINES, MARINE see Marine engines; Steam-turbines, Marine

STEAM-FITTING see Pipe-fitting

STEAM-INJECTORS see Injectors

STEAM-PIPE COVERINGS

**Covering hot and cold pipes** (*Motion picture*) U. S. Office of Education, 1944. Made by Photo & Sound.

**Covering hot and cold pipes** (*Filmstrip*) U. S. Office of Education, 1944. Made by Photo & Sound.

STEAM POLLUTION see Water—Pollution

STEAM-POWER PLANTS

see also Boiling water reactors

**TVA builds Johnsonville steam plant** (*Motion picture*) TVA, 1954.

STEAM-TURBINES

**Naval steam turbines: How turbines work** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks & Norling.

**Naval steam turbines: The steam cycle** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Loucks & Norling.

**Steam turbine construction** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Turbine operation** (*Filmstrip*) U. S. Coast Guard, 1943. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

STEAM-TURBINES, MARINE

**Naval steam turbines: Turbine casualties** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Loucks and Norling Studios.

STEAMBOATS

—VIBRATION see Vibration (Marine engineering)

STEEL

—HEAT TREATMENT

**Elements of hardening** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Elements of hardening** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Elements of surface hardening** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Elements of surface hardening** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Elements of tempering, normalizing, and annealing** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Elements of tempering, normalizing, and annealing** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

STEEL, STAINLESS

see also Chromium-molybdenum steel

**Melting and refining of stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.

**Stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1943.

STEEL INDUSTRY AND TRADE

**The drama of steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Inland Steel Co., 1946.

**Melting and refining of stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1951.

**Stainless steel** (*Motion picture*) U. S. Bureau of Mines in cooperation with Allegheny Ludlum Steel Corp., 1943.

**Steel town** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

**West Virginia and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

STEERING-GEAR

see also Automobiles—Steering gear

**Steering** (*Filmstrip*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

STENCIL PRINTING see Serigraphy

STENSON'S DUCT see Parotid glands

STERILIZATION

**Basic care of patients. Part 7: Sterile technique** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Rickettsia—laboratory procedure for their isolation and identification** (*Motion picture*) U. S. Dept. of the Army, 1949.

STEVEDORING see Cargo handling

STILLS see Distillation

STILWELL ROAD

**The Stilwell Road** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

STOCK AND STOCK-BREEDING

see also Feeding; Horses; Pastures; Poultry breeding; Sheep; Sheep breeding; Stock-ranges; Swine; Swine breeding; Veterinary medicine

**The Dairy Herd Improvement Association, identification and permanent record program** (*Filmstrip*) U. S. Dept. of Agriculture, 1959.

**Improving dairy herds** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

STOCK CONTROL see Stores or stock-room keeping

STOCK POISONING PLANTS

**Plants poisonous to livestock** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

STOCK-RANGES

see also Grazing; Ranch life

**Frontiers of grass: A story of the western range** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**Grass and cattle** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Home on the range** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

**Richer range rewards** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

STOMACH

see also Digestion; Digestive organs

—SURGERY

**Wedge resection for benign gastric ulcer** (*Motion picture*) U. S. Veterans Administration, 1959.

—ULCERS

**Wedge resection for benign gastric ulcer** (*Motion picture*) U. S. Veterans Administration, 1959.

STOMATITIS IN ANIMALS

**Vesicular diseases of animals** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

STOMATOLOGY see Mouth—Diseases; Teeth; Teeth—Diseases

STONEWARE see Pottery

STORAGE BATTERIES

see also Electric batteries

**Charging storage batteries** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

**Maintenance of storage batteries** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**The story of a storage battery** (*Motion picture*) U. S. Bureau of Mines in cooperation with Willard Storage Battery Co., 1947.

**Theory of the lead-acid storage battery** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Voltaic cell, dry cell, and storage battery** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

STORAGE WAREHOUSES see Warehouses

STORES, DEPARTMENT see Department stores

STORES OR STOCK-ROOM KEEPING

**Warehousing series. Part 3: Bins, racks and box pallets** (*Motion picture*) U. S. Dept. of the Army, 1956.

STORMS

see also Cyclones; Hurricanes; Thunderstorms; Tornadoes; Winds

**Safe driving in bad weather. Part 1: Light vehicles** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

STRATEGIC AIR COMMAND see U. S. Air Force. Strategic Air Command

STRATEGIC MATERIALS

**Conservation planning for national security** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Audio Productions.

STRATEGY

see also Air warfare; Atomic warfare; Military art and science; Naval art and science; Tactics; Tank warfare

**Concept for victory: A message to the personnel of the U. S. Army by General M. B. Ridgway** (*Motion picture*) U. S. Dept. of the Army, 1955.

STRATEGY, GAMES OF (MATHEMATICS) see Games of strategy (Mathematics)

STRAW

**Beltsville newsreel, no. 17** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

STRAWBERRIES

**Beltsville newsreel, no. 3** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Freezing strawberries and peaches** (*Filmstrip*) U. S. Dept. of Agricultre, 1953.

STREET TRAFFIC see Traffic engineering

STREET-TRAFFIC REGULATIONS see Traffic regulations

STRENGTH OF MATERIALS

**Tension testing** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

**Tension testing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

STREPTOCOCCUS

**Isolation and identification of beta hemolytic streptococci** (*Filmstrip*) U. S. Public Health Service, 1957.

STREPTOMYCIN

**Streptomycin** (*Motion picture*) U. S. Dept. of the Army, 1150. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

STRUCTURAL ENGINEERING see Strength of materials

STRYKER FRAME

**Nursing care with a Stryker frame** (*Motion picture*) U. S. Dept. of the Army, [illegible]

STUDENT EMPLOYMENT

**Businessmen's service club** (*Motion picture*) U. S. Dept. of State, 1951. Made by Audio Productions. Released for educational use in the United States through U. S. Office of Education, 1952.

**Working through college** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1951.

STUDENT GUIDANCE see Vocational guidance

STUDENTS, FOREIGN

**Herald tribune youth forum** (*Motion picture*) U. S. Dept. of State, 1951. Produced by RKO Pathe. Released for educational use in the United States through U. S. Office of Education, 1951.

**A year in America** (*Motion picture*) U. S. Dept. of the Army, 1151. Made by Frank Donovan Associates. Released for public educational use through U. S. Office of Education, 1951.

STUDENTS, INTERCHANGE OF

**International House** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by American Film Producers. Released for public educational use through U. S. Office of Education, 1950.

STUDY, METHOD OF

**Effective study methods** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

STUNT FLYING

**Winged wizardry** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

SUBMARINE BOATS

**Armed Forces screen magazine, no. 504** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.

**The submarine. Part 2: Construction** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.

**The submarine. Part 3: Diving and surfacing** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.

**The submarine. Part 4: Operating submerged** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Audio Productions.

**Submarine noise reduction: Bearings, care in installation** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Herbert Kerkow, inc.

**Take 'er down** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**The training of the submarine medical officer** (*Motion picture*) U. S. Navy Dept., 1960. Made by Depicto Films.

—SAFETY APPLIANCES

**Buoyant ascent** (*Motion picture*) U. S. Dept. of the Navy, 1957.

SUBMARINE DIVING see Diving, Submarine

SUBMARINE WARFARE

**HSS automatic stabilization equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Sun Dial Films.

SUBSONIC AERODYNAMICS see Aerodynamics

SUDORIPAROUS GLANDS see Sweat glands

SUFFOCATION see Asphyxia

SUFFOLK COUNTY NEWS, SAYVILLE, N. Y.

**Small town newspaper** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

SUGAR BOWL GAMES, NEW ORLEANS

**Sugar Bowl classic** (*Motion picture*) U. S. Dept. of the Navy, 1955.

SUGAR-CANE

**Agricultural engineering—the profession with a future** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the American Society of Agricultural Engineers, 1960.

SUGGESTION SYSTEMS

**Developing cooperation** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

**Improving the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

**Suggestion box** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

**Suggestion power** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

SULPHUR

**Sulphur** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1952.

SULPHUR MINES AND MINING

**Sulphur** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1952.

SUMATRA

**Sumatra** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

SUPERHEATERS

**Superheat control** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use through U. S. Office of Education, 1948.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC AERONAUTICS see High-speed aeronautics

SUPERVISION OF EMPLOYEES

**Five keys** (*Motion picture*) U. S. Post Office Dept., 1956. Made by Byron, inc.

**Maintaining workers' interest** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**Supervising women workers** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

**SUPERVISION OF EMPLOYEES (Continued)**

**Supervising workers on the job** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**The supervisor as a leader, part 2** (*Motion picture*) U. S. Office of Education, 1944. Made by Caravel Films.

**SUPERVISORS**

see also Foremen

**Discipline: Giving orders** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

**Discipline: Reprimanding** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Atlas Educational Film Co. Released for public educational use through U. S. Office of Education, 1944.

**SUPPLIES, MILITARY** see Military supplies

**SUPREME ALLIED COMMANDER, ATLANTIC**

**NATO seapower for peace** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**Seapower for freedom** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**SUPREME ALLIED COMMANDER, EUROPE**

**The Sixth Fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**SUPREME HEADQUARTERS, ALLIED POWERS, EUROPE**

**Alliance for peace** (*Motion picture*) SHAPE, 1952. Released for public use in the United States through U. S. Dept. of Defense and U. S. Office of Education, 1952.

**SURFACE-TO AIR MISSILES** see Nike rocket

**SURGERY, ABDOMINAL** see Abdomen—Surgery

**SURGERY, ASEPTIC AND ANTISEPTIC**

see also Sterilization

**Aseptic procedure in oral surgery** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Princeton Film Center.

**Chain of asepsis** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

**Operating room procedures** (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Polaris Pictures.

**SURGERY, DENTAL** see Dentistry, Operative

**SURGERY, MILITARY**

see also Dentistry, Military; First aid in illness and injury; Gunshot wounds; Hospitals, Military; Surgery, Naval; Veterans, Disabled—Rehabilitation; Wounds

**Management of mass casualties. Part 8: Management of mechanical injuries** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Method of teaching combat surgery** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Resuscitative care of the severely wounded** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Soft tissue wounds** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**SURGERY, NAVAL**

**Military surgeon in amphibious assault** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.

**SURGERY, OPERATIVE**

see also Operations, Surgical; Shock

**The anaesthesiologist positions the patient** (*Motion picture*) U. S. Veterans Administration, 1960.

**Head injury, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Management of mass casualties. Part 8: Management of mechanical injuries** (*Motion picture*) U. S. Dept. of the Army, 1959.

**The surgical treatment of carotid body sensitivity in man** (*Motion picture*) U. S. Dept. of the Army, 1961.

**SURGERY, ORAL** see Lips—Surgery; Mouth—Surgery

**SURGERY, ORTHOPEDIC** see Orthopedia

**SURGERY, PLASTIC**

see also Bone-grafting; Prosthesis; Skin-grafting

**Construction of screw lock sectional splint** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Mammoplasty** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Plastic and reconstruction surgery of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1948.

**Plastic repair of a cheek and lip** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Plastic surgery of the hand** (*Motion picture*) . U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Reconstruction of the lower lip and chin** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Technique of biceps cineplasty** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Wounds of the face and jaw** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron's. Released for public educational use through U. S. Office of Education, 1948.

**Wounds of the hand** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**SURGICAL DRESSINGS** see Bandages and bandaging; Splints (Surgery); Wounds—Treatment

**SURGICAL INSTRUMENTS AND APPARATUS**

see also Orthopedic apparatus; Splints (Surgery)

**The surgical dressing carriage** (*Filmstrip*) U. S. Dept. of the Army, 1955.

**SURGICAL NURSING**

see also Postoperative care

**Postoperative care** (*Motion picture*) U. S. Navy Dept., 1960. Made by Willard Pictures.

**Preoperative care** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

**SURGICAL OPERATIONS** see Operations, Surgical

**SURGICAL PLASTER CASTS** see Plaster casts, Surgical

**SURGICAL SHOCK** see Shock

**SURRA** see Trypanosomiasis

**SURVEYING**

see also Cartography; Geodesy; Hydrographic surveying; Leveling; Military topography; Photographic surveying; Topographical surveying; Triangulation

**Building and utility layout** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Measuring and leveling** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Traversing** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**SURVIVAL (AFTER AEROPLANE ACCIDENTS, SHIPWRECKS, ETC.)**

see also Aeroplanes—Ditching; Aircraft survival equipment; U. S. Coast Guard—Search and rescue operations

**Abandon ship** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Wilding Picture Productions. Released for educational use through U. S. Office of Education, 1949.

**Castaway** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

**Deep sea survival** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

**The E-1 survival kit** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Forced down at sea** (*Motion picture*) U. S. Navy Dept., 1943. Made by Wilding Picture Productions.

**Help available** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Jungle survival** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Moluccas** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

**New Guinea** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

**Operation of ocean station vessels during search and rescue** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Philippine Islands** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through through U. S. Office of Education, 1948.

**Sun, sand, and survival** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Survival in the Aleutians** (*Motion picture*) U. S. Dept. of the Air Force, 1951.

**Survival in the Arctic tundra** (*Motion picture*) U. S. Dept. of the Air Force, 1949.

**Survival in the South Pacific** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Survival on polar sea ice** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Survival on the ice cap** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Survivor recovery and handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Swimming for survival** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

**SURVIVAL KITS** see Aircraft survival equipment

**SWEAT GLANDS**

**Dermatology and syphilology. Part 2: The sweat gland in health and disease** (*Filmstrip*) U. S. Dept. of the Army, 1957.

**SWEDES IN THE U. S.**

**Swedes in America** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.

**SWEEPS (HYDROGRAPHY)** see Drags (Hydrography)

**SWEET CORN** see Maize

**SWIMMING**

**The breaststroke, sidestroke, and underwater swimming** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

SWIMMING (Continued)

**The crawl stroke** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1960.

**Learning to swim** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1950.

**Navy standard swimming tests and abandoning ship drills** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by F. K. Rockett Co. Released for public educational use through U. S. Office of Education, 1948.

**Swimming for survival** (*Motion picture*) U. S. Dept. of the Navy, 1964. Made by Herbert Kerkow, inc.

**Swimming through burning oil and through surf** (*Motion picture*) U. S. Coast Guard, 1943. Released for public educational use through U. S. Office of Education, 1948.

**Water wisdom** (*Motion picture*) U. S. Tennessee Valley Authority, 1953. Made by Southern Educational Film Production Service.

SWIMMING POOLS

**Introduction to swimming pool sanitation** (*Motion picture*) U. S. Public Health Service, 1959.

**Swimming pool sanitation** (*Filmstrip*) U. S. Public Health Service, 1953.

SWINE

**Breeds of swine** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

**Pork on the farm** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

—DISEASES

**Teschen disease** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with U. S. Federal Civil Defense Administration, 1953. Made by Byron, inc.

**The triple threat of brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

**Vesicular diseases of animals** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—PARASITES see Parasites—Swine

SWINE BREEDING

**Selecting and judging breeding hogs** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

SWINE FEVER see Hog cholera

SWINE HOUSES AND EQUIPMENT

**Hog houses and equipment** (*Filmstrip*) U. S. Dept. of Agriculture, 1940.

SWITCHBOARDS, TELEPHONE see Telephone switchboards

SYLACAUGA, ALA.

**When work is done** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

SYMPHONY ORCHESTRAS

**Symphony across the land** (*Motion picture*) U. S. Information Agency, 1959. Made by Trident Films. Released for public educational use in the United States through U. S. Office of Education, 1959.

SYMPTOMS see Diagnosis; Semiology

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNTHETIC PRODUCTS

see also Chemurgy; Plastics; Rubber, Artificial

**Origin and synthesis of plastics materials** (*Motion picture*) U. S. Office of Education, 1945. Made by Caravel Films.

**Origin and synthesis of plastics materials** (*Filmstrip*) U. S. Office of Education, 1945. Made by Caravel Films.

SYPHILIS

**Dermatology and syphilology. Part 1: Distribution patterns of lesions in the diagnosis of skin diseases** (*Filmstrip*) U. S. Dept. of the Army, 1956.

**Horizons of syphilis** (*Filmstrip*) U. S. Public Health Service, 1949.

**Know for sure** (*Motion picture*) U. S. Public Health Service, 1942. Made by the Research Council of the Academy of Motion Picture Arts and Sciences.

**Message to women** (*Motion picture*) U. S. Public Health Service, 1945. Made by Hugh Harmon Productions.

—DIAGNOSIS

**Diagnosis of primary syphilis** (*Filmstrip*) U. S. Public Health Service, 1949.

**Diagnosis of syphilis by the general practitioner** (*Motion picture*) U. S. Public Health Service, 1954.

**VDRL tests for syphilis** (*Motion picture*) U. S. Public Health Service, 1959.

# T

T-SQUARES see Rulers (Instruments)

T V A see Tennessee Valley Authority

TABLES, MATHEMATICAL see Trigonometry —Tables, etc.

TACHOMETER

**Aircraft tachometers** (*Filmstrip*) U. S. Army Air Forces, 1943. Released for public educational use through U. S. Civil Aeronautics Administration, 1951.

**Tachometers and synchronism indicators** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1945.

TACKLING see Masts and rigging

TACTICS

see also Air warfare; Atomic warfare; Attack and defense (Military science); Drill and minor tactics; Military maneuvers; Tank warfare; War games; Winter warfare

**Armor combat power** (*Motion picture*) U. S. Dept. of the Army, 1958.

**The Marine Corps and close air support** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

TAIWAN see Formosa

TANK WARFARE

see also Tanks (Military science)

**Armor combat power** (*Motion picture*) U. S. Dept. of the Army, 1958.

TANKS

see also Aeroplanes—Fuel tanks; Petroleum—Storage

**Construction of pre-stressed concrete tanks** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Construction of 10,000 barrel bolted steel tanks. Part 1: Foundation, bottom, and sidewalls** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Construction of 10,000 barrel bolted steel tanks. Part 2: Center support, deck, valves, and vents** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Conversion from black oil to Diesel fuel: Navy improved method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Conversion from black oil to gasoline: Navy chemical method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Maintenance tank cleaning: Butterworth method** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

TANKS (MILITARY SCIENCE)

**Armed Forces screen magazine, no. 502** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

**Armor combat power** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Building a tank** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

**Project stalk** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Tanks** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

TAPEWORMS

**Life cycle of Diphyllobothrium latum** (*Motion picture*) U. S. Public Health Service, 1950.

TAPS AND DIES

**Care and use of hand tools. Part 7: Threading taps and dies** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**Cutting threads with taps and dies** (*Motion picture*) U. S. Office of Education, 1942. Made by Ray-Bell Films.

**Cutting threads with taps and dies** (*Filmstrip*) U. S. Office of Education, 1943. Made by Castle Productions Corp.

TARASCO INDIANS

**Pátzcuaro** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Re-released for educational use in the United States through U. S. Office of Education, 1949.

TARAWA, BATTLE OF, 1943

**With the Marines at Tarawa** (*Motion picture*) U. S. Marine Corps, 1944.

TARE (PLANT) see Vetch

TEA ROOMS see Restaurants, lunch rooms, etc.

TEACHERS, TRAINING OF

**Preparation of teachers** (*Motion picture*) U. S. Dept. of State, 1948. Made by International Film Foundation. Released for educational use in the United States through U. S. Office of Education, 1950.

TEACHING

see also Education; Questioning; Study, Method of

**The stages of instruction: Application, examination, and review or critique** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The stages of instruction: Preparation** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The stages of instruction: Presentation** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Use of the problem in teaching** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**The Wilson Dam School** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Alabama State Dept. of Education, 1942. Made by American Film Center.

—AIDS AND DEVICES

**Audio-visual aids to learning** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Unity Films. Released for public educational use through U. S. Office of Education, 1951.

**Film tactics** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Harry Joe Brown. Released for public educational use through U. S. Office of Education, 1947.

**Training aids** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Training aids: Classroom utilization** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

**Training aids: Selection and planning** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

**Training aids: Slides, large drawings, and transparencies** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

TECHNICAL ASSISTANCE, AMERICAN

**Life for the land** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**A story of goodwill** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by Warner News. Released for public educational use through U. S. Office of Education, 1952.

**We build a town** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

TECHNICAL ASSISTANCE IN HAITI

**The Economic and Social Council at work** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

TECHNICAL EDUCATION

see also Apprentices; Correspondence schools and courses; Employees—Training of; Moving-pictures in industry; Vocational education

**Brooklyn Technical High School** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Cinema Service Corp. Released for public educational use through U. S. Office of Education, 1950.

TECHNOLOGICAL MUSEUMS see Industrial museums

TECHNOLOGY

see also Building; Engineering; Industrial management; Machinery; Technical education

**Expanding world relationships** (*Motion picture*) U. S. Dept. of State, 1946. Produced by Burton Holmes Films.

TEETH

see also Dentistry

**Equilibration of occlusion** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by De Frenes Co. Released for public educational use through U. S. Office of Education, 1953.

—CARE AND HYGIENE

**About faces** (*Motion picture*) U. S. Public Health Service, 1941. Made by Sound Masters.

**Dental health** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Oral hygiene for hospitalized patients** (*Motion picture*) U. S. Veterans Administration, 1957.

**Oral hygiene: Toothbrush technique** (*Filmstrip*) U. S. Public Health Service, 1949.

**Oral prophylactic techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Preventive dentistry: A base dental program** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Preventive dentistry: Oral hygiene** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—DISEASES

**Endodontics. Part 1: Diagnosis and case selection** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

**Endodontics. Part 2: Bio-mechanical preparation of the root canal** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

**Endodontics. Part 3: Filling the root canal** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Fordel Films.

**Radiodontia** (*Filmstrip*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1948.

—EXTRACTION

see also Dentistry, Operative

**Alveolectomy after multiple extraction of teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Alveolectomy and multiple pathology** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Alveolectomy in extraction of isolated teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Anterior acrylic bridgework. Part 2: Laboratory procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Complicated exodontia, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron. Released for public educational use through U. S. Office of Education, 1952.

**Removal of an impacted mandibular third molar by controlled sectioning** (*Motion picture*) U. S. Dept. of the Army, 1952.

TEETH (Continued)

—RADIOGRAPHY

**Dental X-ray equipment: Alteration for modern radiation hygiene** (*Motion picture*) U. S. National Bureau of Standards in cooperation with the American Dental Association, 1959.

**Hazard of dental radiography** (*Motion picture*) U. S. National Bureau of Standards, 1954.

**Interproximal and occlusal dental radiographic techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Radiodontics** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education, 1948.

TEETH, ARTIFICIAL

**Alveolectomy in extraction of isolated teeth** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Anterior acrylic bridgework. Part 2: Laboratory procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Anterior acrylic bridgework. Part 3: Variations, an entirely direct technique** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

**Clasp partial denture design** (*Filmstrip*) U. S. Navy Dept., 1943. Made by Byron, inc.

**Complete dentures: Alginate impressions** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

**Complete dentures: Remount procedures** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Byron, inc.

**Indirect technique for the precision construction of crowns, bridges, and inlays** (*Motion picture*) U. S. Navy Dept., 1942.

**Partial dentures: Biomechanics** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Byron's. Released for public educational use through U. S. Office of Education, 1952.

**Porcelain jacket crown technique** (*Motion picture*) U. S. National Bureau of Standards, in cooperation with Council on Dental Research, American Dental Association, and the University of Montevideo, Uruguay, 1957.

**The rubber dam in dentistry** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Byron, inc.

**Three-quarter anterior crown** (*Motion picture*) U. S. Dept. of the Army, 1960.

TELECOMMUNICATION

see also Radio; Telegraph; Telephone; Television

—COLD WEATHER OPERATION

**Operation and maintenance of communications equipment in extreme cold** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1953.

TELEGRAPH

see also Military telegraph

**Theory of simplex and phantom circuits. Part 1: Balanced conditions** (*Motion picture*) U. S. War Dept., 1944.

**Theory of simplex and phantom circuits. Part 2: Unbalanced conditions** (*Motion picture*) U. S. War Dept., 1944.

—APPARATUS AND SUPPLIES

**Line-up procedure for tactical telegraph carrier equipment** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

TELEMETER (PHYSIOLOGICAL APPARATUS)

**World-wide physiological data transmission** (*Motion picture*) U. S. Navy Dept., 1958.

TELEPHONE

see also Military telephone

**Basic telephony** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Theory of simplex and phantom circuits. Part 1: Balanced conditions** (*Motion picture*) U. S. War Dept., 1944.

**Theory of simplex and phantom circuits. Part 2: Unbalanced conditions** (*Motion picture*) U. S. War Dept., 1944.

—APPARATUS AND SUPPLIES

**Line-up procedure for tactical telephone carrier equipment** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

TELEPHONE LINES

see also Electric conduits

**Open wire transposition systems** (*Motion picture*) U. S. Dept. of the Army, 1955.

TELEPHONE SWITCHBOARDS

**Multiple switchboards: Installation and operation** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

TELETYPE

**Line-up of field teletypewriter set EE-98A** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Mechanical operation of the model 28 teletypewriter: Automatic typer selecting mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

**Mechanical operation of the model 28 teletypewriter: Function mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

**Mechanical operation of the model 28 teletypewriter: Keyboard transmitting mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

**Mechanical operation of the model 28 teletypewriter: Type box positioning mechanism** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Atlas Film Corp.

**TT-47/UG teletypewriter: General principles and operation** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

**TT-47/UG teletypewriter: Installation and performance tests** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

**TT-47/UG teletypewriter: Preventive maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Atlas Film Corp.

TELEVISION

—INTERFERENCE

**Typical television interference patterns** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

TELEVISION BROADCASTING

**NYC television workshop** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Murphy Lillie Productions. Released for public educational use through U. S. Office of Education, 1960.

TELEX SERVICES see Teletype

TEMPERATURE, ANIMAL AND HUMAN see Body temperature

TENNESSEE RIVER VALLEY

**Valley of the Tennessee** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

TENNESSEE VALLEY AUTHORITY

**TVA** (*Motion picture*) U. S. Tennessee Valley Authority in cooperation with Advisory Commission of the Council of National Defense, 1941.

**TVA town** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Transfilm. Released for public educational use through U. S. Office of Education, 1951.

**Valley of the Tennessee** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

TENTS

**Pitching and striking the sectional hospital tent** (*Filmstrip*) U. S. Dept. of the Army, 1947.

TERMITES

**Block that termite** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TESTACEA see Mollusks

TESTICLE

—TUMORS

**Radical retroperitoneal node dissection in the treatment of testicular tumors** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Transperitoneal bilateral lymphadenectomy for testis tumor** (*Motion picture*) U. S. Dept. of the Army, 1960.

TESTIMONY see Witnesses

TESTING

see also Non-destructive testing; Standardization; X-rays—Industrial applications

**Tension testing** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

**Tension testing** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

TEXAS

**Texas and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Texas Gulf Sulphur Co., 1955. Made by Jamieson Film Co.

TEXAS. UNIVERSITY. TEXAS WESTERN COLLEGE, EL PASO

**They major in missiles** (*Motion picture*) U. S. Dept. of the Army, 1960.

TEXTILE RESEARCH

**Beltsville newsreel, no. 11** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

THANKFULNESS see Gratitude

THAYER, SYLVANUS, 1785-1872

**Sylvanus Thayer** (*Motion picture*) U. S. Army Engineers, 1959.

THEFT see Stealing

THERAPEUTICS

see also Diet in disease; Drugs; Injections, Hypodermic; X-rays

**Administration of drugs** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

THERMAL EQUILIBRIUM see Heat

THERMAL INSULATION see Insulation (Heat)

THERMO-AERODYNAMICS see Aerodynamic heating

THERMOMETERS AND THERMOMETRY

**Thermometer** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1943.

THERMOMETERS AND THERMOMETRY, MEDICAL

see also Body temperature

**Disinfection of clinical thermometers. Part 1: Oral thermometers** (*Filmstrip*) U. S. Public Health Service, 1952.

THERMONUCLEAR REACTIONS, CONTROLLED see Controlled fusion

THERMOSTAT

**Adjusting commercial thermostatic controls** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ansen Bond Productions.

THIGH

—FRACTURE see Femur—Fracture

THIOKOL see Rubber, Artificial

THOR (MISSILE)

**Thor: The IRBM** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

THORACIC SURGERY see Chest—Surgery

THORAX see Chest

THRIFT see Saving and thrift

THROAT

see also Esophagus; Trachea

—SURGERY

**Cricothyroidotomy** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Byron, Inc.

THUNDERSTORMS

**Aerology (thunderstorms) Part 1: Formation and structure of thunderstorms** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.

**Aerology (thunderstorms) Part 2: Flight techniques with respect to thunderstorms** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Bray Studios. Released for public educational use through U. S. Office of Education, 1954.

**Thunderstorms** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

TIBIA

**Tibial nerve anastomosis in the lower calf** (*Motion picture*) U. S. Dept. of the Army, 1949.

—FRACTURE

**Skeletal fixation by the Stader splint, fractures of the tibia** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1948.

TIC-DOULOUREUX see Neuralgia, Facial

TICKS

**The genera of North American ticks** (*Filmstrip*) U. S. Public Health Service, 1953.

**Identification of U. S. genera of adult ticks** (*Filmstrip*) U. S. Public Health Service, 1950.

TIDES

**Tides and currents** (*Motion picture*) U. S. Coast and Geodetic Survey, 1955.

TILLAGE

**Wind erosion control through tillage and ridge planting** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

TIMBER

see also Forests and forestry; Trees; Wood

**TRR** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

—PRESERVATION see Wood—Preservation

TIME

**Time** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

—SYSTEMS AND STANDARDS

**Time** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

TIN

**Tin from Bolivia** (*Motion picture*) U. S. Bureau of Mines in cooperation with Patino Mines & Enterprises Consolidated, 1945.

TIN MINES AND MINING

**Tin from Bolivia** (*Motion picture*) U. S. Bureau of Mines in cooperation with Patino Mines & Enterprises Consolidated, 1945.

TIN PLATE

**Tinplate** (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1948.

TIRES, RUBBER

—REPAIRING

**Repairing aircraft tires** (*Motion picture*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

**Repairing aircraft tires** (*Filmstrip*) U. S. Office of Education, 1945. Made by Ted Nemeth Studios.

TOMATOES

**Queen of the vegetables** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

TONGASS NATIONAL FOREST, ALASKA

**Timber and totem poles** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

**Tongass timberland** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

TONGUE

**Intra-oral and pharyngeal structures and their movements** (*Motion picture*) U. S. Veterans Administration, 1951.

TOOLS

see also Agricultural implements; Agricultural machinery; Cutlery; Machine-tools; Machinery; Machinists' tools

**Care and use of hand tools. Part 1: An introduction to hand tools** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

**Use and care of hand tools. Part 1: Vises, screwdrivers, hammers, pliers** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1949.

TOOTHACHE see Teeth—Diseases

TOPECTOMY see Brain—Surgery

TOPOGRAPHICAL MODELING see Relief models

TOPOGRAPHICAL SURVEYING

see also Military topography

**The helicopter as an aid in Alaska surveys** (*Motion picture*) U. S. Geological Survey, 1952.

**Leveling for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1951.

**Supplemental control for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1953.

**Transit traverse for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1951.

TORNADOES

see also Cyclones

**Tornado** (*Motion picture*) U. S. Weather Bureau, 1956. Made by the Calvin Co.

**Tornado warnings** (*Motion picture*) U. S. Weather Bureau, 1953. Made by Lowe Runkle Co.

TORQUE WRENCHES

**The man with the torque wrench** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

TOSCANINI, ARTURO, 1867-

**Hymn of the nations** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1944. Released for educational use in the United States through U. S. Office of Education, 1949.

TOTALITARIANISM

see also Communism

**Social change in a democracy** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Sun Dial Films. Released for public educational use through U. S. Office of Education, 1952.

TOTEMS

**Timber and totem poles** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

TOWING

**Search and rescue boat handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Towing a disabled plane** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

TOWN LIFE see City and town life

TRACERS, RADIOACTIVE see Radioactive tracers

TRACHEA

—SURGERY

**Missile wound of head, jaw, chest: Control of hemorrhage and care of airway** (*Motion picture*) U. S. Dept. of the Navy, 1954.

TRACK-ATHLETICS

**I & E screen magazine, no. 574** (*Motion picture*) U. S. Dept. of Defense, 1950.

TRACKING see Guided missiles—Tracking

TRACTORS

**Care of a tractor** (*Motion picture*) U. S. Office of Education, 1944. Made by Calvin Co.

**Care of a tractor** (*Filmstrip*) U. S. Office of Education, 1944. Made by Calvin Co.

**Fan belt and water pump** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Steering, clutch, and brake** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Tractor, caterpillar D-8: Before operation services** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Tractor, caterpillar D-8: Starting and stopping** (*Motion picture*) U. S. Dept. of the Army, 1957.

—REPAIRING

**Adjusting the Le Tourneau power control unit** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Flywheel clutch and starting engine clutch** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

**Tracks** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use through U. S. Office of Education.

TRADE see Commerce

TRADE-UNIONS

**Union local** (*Motion picture*) U. S. Dept. of State, 1951. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1952.

TRADES see Building trades

TRAFFIC ACCIDENTS

**Alias the killer** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Apex Film Corp.

**As a matter of fact** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

**The collision diagram** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Industrial hygiene and safety: Drive right** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Frederick K. Rockett Co.

**Military police duties at traffic accidents** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

TRAFFIC ACCIDENTS (Continued)

**The traffic accident spot map** (*Motion picture*) U. S. Dept. of the Army, 1956.

TRAFFIC CONTROL see Traffic engineering; Traffic regulations

TRAFFIC COURTS

**Traffic court, U. S. A.** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAFFIC ENGINEERING

see also Evacuation of civilians

**Engineering for traffic safety** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

**Point control of traffic** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Roads and traffic** (*Motion picture*) U. S. Information Agency, 1956. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Traffic patrols and escorts** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

TRAFFIC POLICE

**Traffic police** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAFFIC REGULATIONS

see also Speed limits

**Evacuation of civilians** (*Motion picture*) U. S. War Dept., 1945.

**Safe driving in Europe** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Traffic patrols and escorts** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Uniform traffic laws** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAFFIC SAFETY

see also Automobile drivers; Speed limits

**Nightmare for the bold** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—STUDY AND TEACHING

**Teach them traffic safety** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

TRAILERS, TRUCK see Truck trailers

TRAILS

**Appalachian Trail** (*Motion picture*) U. S. Dept. of State, 1951. Made by Mitchell Film Associates. Released for public educational use through U. S. Office of Education, 1952.

**Mechanized trail equipment** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

TRAINED NURSES see Nurses and nursing

TRAINING OF EMPLOYEES see Employees, Training of

TRANSFORMERS, ELECTRIC see Electric transformers

TRANSFUSION OF BLOOD see Blood —Transfusion

TRANSIENT LABOR see Migrant labor

TRANSISTOR AMPLIFIERS

**Transistors: Low frequency amplifiers** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

TRANSISTOR CIRCUITS

**Transistors: Switching** (*Motion picture*) U. S. Dept. of the Navy, 1959.

TRANSISTORS

**Transistors: High frequency operation—Amplifiers and oscillators** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Transistors: Minority carriers** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Bray Studios.

**Transistors: P-N junction fundamentals** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.

**Transistors: Triode fundamentals** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Bray Studios.

TRANSMISSION, POWER see Power transmission

TRANSPORT OF SICK AND WOUNDED

**Aeromedical evacuation** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**First aid for all hands: Handling and transporting** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**First aid handling and transporting of the injured: Introduction** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.

**First aid handling and transporting of the injured: Life-lines, improvised stretchers, and carriers** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.

**First aid handling and transporting of the injured: Mastering basic techniques** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Wilding Picture Productions.

**Perishable rush** (*Motion picture*) U. S. Army Air Forces, 1945.

**Transportation and evacuation of casualties in a Marine division** (*Motion picture*) U. S. Dept. of the Navy, 1952.

TRANSPORT PLANES

see also Jet transports

**Ditching techniques for transport aircraft: Communications, sea evaluation, headings and landings** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Personnel loading capabilities of the C-130 aircraft** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

TRANSPORTATION, AUTOMOTIVE

see also Automobiles; Motor buses; Motor-truck terminals; Motor-trucks; Traffic police; Traffic safety

**Trailer 201** (*Motion picture*) U. S. Dept. of State, 1949. Made by Unity Films. Released for educational use in the United States through U. S. Office of Education, 1950.

—LAWS AND REGULATIONS

**Motor vehicle administration** (*Motion picture*) President's Committee for Traffic Safety in cooperation with Alfred P. Sloan Foundation and Automotive Safety Foundation, 1956. Made by Creative Arts Studio.

—SAFETY MEASURES

**Safe driving in bad weather. Part 2: Trucks and tractor-trailers** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

TRANSPORTATION, MILITARY

see also Airdrop; Automobiles, Military; Landing operations; Military bridges; Military railroads; Transports; Vehicles, Military

**Point control of traffic** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Trafficability** (*Motion picture*) U. S. Army Engineers, 1959.

—COLD WEATHER CONDITIONS

**Icecap, I** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Subarctic cross-country mobility. Part 2: Summer operations** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Tractor sled operations (Icecap II)** (*Motion picture*) U. S. Dept. of the Army, 1954.

TRANSPORTATION OF SCHOOL CHILDREN see School children—Transportation

TRANSPORTS

**Armed Forces screen magazine, no. 585** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1953.

TRAVELERS, AMERICAN

**Morning coffee with Dorothy Thompson** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

TRAVELS see Voyages and travel

TRAVERSES (SURVEYING)

**Transit traverse for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1951.

**Traversing** (*Filmstrip*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

TREE BREEDING

**A tree is born** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

TREE PLANTING

see also Reforestation

**Tree bank** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

TREES

see also Evergreens; Forests and forestry; Lumbering; Timber; Wood

**Famous trees in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**Farm forestry in the South** (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

**The President plants a tree** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

TREPONEMA PALLIDUM see Spirochetes

TRIANGLES (INSTRUMENTS) see Rulers (Instruments)

TRIANGULATION

**The astronomical triangle** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

**Relative movement. Part 1: Relative movement and interception** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Springer Pictures. Released for public educational use through U. S. Office of Education, 1946.

**Triangulation for topographic mapping** (*Motion picture*) U. S. Geological Survey, 1953.

TRICHINA AND TRICHINOSIS

**A flocculation test for trichinosis** (*Filmstrip*) U. S. Public Health Service, 1956.

**Spread and prevention of trichinosis** (*Filmstrip*) U. S. Public Health Service, 1948.

**Trichinosis, a disease easily prevented** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**Worms in your muscles** (*Filmstrip*) U. S. Public Health Service, 1948.

TRIGONOMETRIC FUNCTIONS

**Beginning algebra II, lecture 10: Numerical trigonometry** (*Motion picture*) U. S. Dept. of Defense, 1956.

TRIGONOMETRY

—TABLES, ETC.

**Beginning algebra II, lecture 10: Numerical trigonometry** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Beginning algebra II, lecture 11: Numerical trigonometry** (*Motion picture*) U. S. Dept. of Defense, 1956.

## TRINITY RIVER VALLEY, TEX.

**Trinity River Basin** (*Motion picture*) U. S. Army Engineers, 1958.

## TRIODES

**Vacuum tubes: Triode and multipurpose tubes** (*Motion picture*) U. S. Army Air Forces, 1942.

## TRIPOLINE WAR see U.S.—History —Tripolitan War, 1801-1805

## TROOPS, LANDING OF see Landing operations

## TROOPSHIPS see Transports

## TROPICAL FRUIT

**Identification of South Pacific plants** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

## TROPICAL PLANTS

**Identification of South Pacific plants** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

## TROPICS

**Jungle survival** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

### —DISEASES AND HYGIENE

**Important diseases common to the tropics** (*Filmstrip*) U. S. Dept. of the Army, 1951.

## TRUCK TERMINALS see Motor-truck terminals

## TRUCK TRAILERS

**Driving the semi-trailer** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

## TRUCKS, AUTOMOBILE see Motor-trucks

## TRUMAN, HARRY S., PRES. U.S., 1884-

**Inauguration of President Truman** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

## TRYPANOSOMIASIS

see also Sleeping-sickness

**African trypanosomiasis** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1953.

## TSUTSUGAMUSHI DISEASE

**Tsutsugam[illegible] Prevention** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

## TUBE BENDING

**Tube and shape bending** (*Motion picture*) U. S. Bureau of Mines in cooperation with Aluminum Co. of America, 1944.

**Tube bending by hand** (*Motion picture*) U. S. Office of Education. 1943. Made by Bray Studios.

**Tube bending by hand** (*Filmstrip*) U. S. Office of Education, 1943. Made by Bray Studios.

## TUBERCULIN

**Tuberculin testing** (*Motion picture*) U. S. Dept. of the Navy, 1959. Made by Depicto Films Corp.

## TUBERCULOSIS

**Decortication in the treatment of tuberculous pleuritis** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Safe tuberculosis nursing** (*Motion picture*) U. S. Veterans Administration, 1950. Made by U. S. Dept. of Agriculture.

**Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis** (*Motion picture*) U. S. Dept. of the Army, 1951.

**A tuberculose** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Tuberculosis** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**La tuberculosis** (*Motion picture*) U. S. Office of Inter-American Affairs, 1945. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Venereal disease and tuberculosis survey in Georgia** (*Filmstrip*) U. S. Public Health Service, 1948.

### —DIAGNOSIS

**Preparation of a culture medium** (*Motion picture*) U. S. Public Health Service, 1949.

**Preparation of a culture medium** (*Filmstrip*) U. S. Public Health Service, 1949.

**Preparation of sputum specimens** (*Motion picture*) U. S. Public Health Service, 1949.

**Preparation of sputum specimens** (*Filmstrip*) U. S. Public Health Service, 1949.

**Typing of tubercle bacilli by animal inoculation** (*Motion picture*) U. S. Public Health Service, 1950.

**Typing of tubercle bacilli by animal inoculation** (*Filmstrip*) U. S. Public Health Service, 1950.

### —PREVENTION

**Routine admission chest X-ray in general hospitals** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.

**Techniques of group chest X-ray services** (*Motion picture*) U. S. Public Health Service with the cooperation of U. S. Office of Education, 1946. Made by Sun Dial Films.

### —TRANSMISSION

**Safety measures in tuberculosis laboratories** (*Filmstrip*) U. S. Public Health Service, 1954.

## TUBERCULOSIS IN ANIMALS

**Vicious circle** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

## TUBERCULOSIS IN POULTRY

**Vicious circle** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

## TUBERCULOUS

### —REHABILITATION, ETC.

**Time out: Occupational therapy in tuberculosis** (*Motion picture*) U. S. Dept. of the Army, 1949.

**You can lick TB** (*Motion picture*) U. S. Veterans Administration, 1949.

## TUBES

see also Tube bending

**Fabrication of tubing** (*Filmstrip*) U. S. Navy Dept., 1941. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

**Repairing structural tubing** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Repairing structural tubing** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

## TULSA, OKLA.

**Tulsa, Oklahoma** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1950.

## TUMORS

see also Cancer

**Moles and melanoma** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Audio Productions. Released for public educational use through U. S. Office of Education, 1948.

## TUNNELS

**Ice tunnel** (*Motion picture*) U. S. Army Engineers, 1958.

## TURBINE-POWERED TRANSPORTS see Jet transports

## TURBINES

see also Gas-turbines, Steam-turbines

**Smoke study of nozzle secondary flows in a low-speed turbine** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

## TURBOJET PLANE ENGINES see Aeroplanes —Turbojet engines

## TURBOJET TRANSPORTS see Jet transports

## TURBOPROP ENGINES (AEROPLANES) see Aeroplanes—Turbine-propeller engines

## TURBULENCE

**Some effects of vanes and of turbulence in two-dimensional wide-angle subsonic diffusers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

**Turbulence** (*Filmstrip*) U. S. Army Air Forces, 1946. Released for public educational use, 1957.

## TURKEY

**Introducing Turkey** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by Europa telefilm, Rome. Released in the United States by U. S. Dept. of State.

**Turkey** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

## TURKEYS

**Beltsville newsreel, no. 2** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**It's carving time** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

### —FEEDING AND FEEDS

**Beltsville newsreel, no. 5** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Beltsville newsreel, no. 7** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

## TWIST DRILLS

**Care and use of hand tools. Part 5: Twist drills** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by De Frenes Co.

## TYPEWRITING

**Advanced typing: Duplicating and manuscript** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

**Advanced typing: Shortcuts** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

**Basic typing: Machine operation** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

**Basic typing: Methods** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1944.

## TYPHOID FEVER

**Febre tifóide** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**La tifoidea** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**The typhoid carrier** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

## TYPHUS FEVER

**Epidemiology of murine typhus** (*Motion picture*) U. S. Public Health Service, 1953.

**Guerra ao piolho** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

TYPHUS FEVER (Continued)

**Insect repellent, part 2** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Kill the louse** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**El tifo** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**Typhus in Naples** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

## U

U H F RADIO see Radio, Short wave

U N E S C O see United Nations Educational, Scientific and Cultural Organization

ULMECAS see Olmecs

ULTRACENTRIFUGES see Centrifuges

ULTRAHIGH FREQUENCY RADIO see Radio, Short wave

UMBILICUS

—HERNIA

**Surgical management of omphalocele; Second stage repair** (*Motion picture*) U. S. Dept. of the Navy, 1957.

UNCINARIA see Hookworms

UNCINARIASIS see Hookworm disease

UNDERPINNING see Shoring and underpinning

UNDERWATER EXPLORATION see Diving, Submarine

UNDERWATER EXPLOSIONS

**Budget size Bikini** (*Motion picture*) U. S. Army Engineers, 1953.

UNDULANT FEVER

**The triple threat of brucellosis** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

UNESCO see United Nations Educational, Scientific and Cultural Organization

UNITED NATIONS

**Can the U. N. maintain the peace?** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**The Economic and Social Council at work** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Japan and the UN: What is the UN?** (*Motion picture*) U. S. Dept. of the Army, 1951. Made by Knickerbocker Productions. Released for public educational use through U. S. Office of Education, 1952.

**Red China and the United Nations** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**The United Nations & world disputes** (*Motion picture*) U. S. Dept. of Defense. Released for public educational use through U. S. Office of Education, 1950.

UNITED NATIONS. GENERAL ASSEMBLY

**Town meeting of the world** (*Motion picture*) U. S. Dept. of the Army, 1952. Made by March of Time. Released for public educational use through U. S. Office of Education, 1952.

UNITED NATIONS CONFERENCE ON INTERNATIONAL ORGANIZATION, SAN FRANCISCO, 1945

**San Francisco, 1945** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

**UNESCO and Japan** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

UNITED STATES

**Introducing the United States** (*Motion picture*) North Atlantic Treaty Organization, 1956. Made by News of the day. Released in the United States by U. S. Dept. of State.

**A pilgrimage of liberty** (*Motion picture*) U. S. Information Agency, 1958. Made by Victor Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1958.

—AIR DEFENSES

**In your defense** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Shield against invasion** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The steel ring (AA defense of U. S.)** (*Motion picture*) U. S. Dept. of the Army, 1955.

**24 hour alert** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—AIR NATIONAL GUARD

**The Air Reserve Forces** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Two hats** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—ARMED FORCES

**Armed Forces Day** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**Armed forces of the U. S. A.** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Armed Forces screen magazine, no. 501** (*Motion picture*) U. S. Dept. of Defense, 1952.

**Armed Forces screen magazine, no. 505** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 509** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 510** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 511** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 512** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 513** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 514** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 515** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 516** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 518** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 519** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 520** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 521** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 523** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 524** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 525** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 526** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 527** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 530** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 532** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 534** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 535** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 537** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 538** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 539** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 540** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 542** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 543** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 544** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 546** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 547** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 548** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Armed Forces screen magazine, no. 580** (*Motion picture*) U. S. Dept. of Defense, 1960.

**Code of conduct. Article 3: To resist** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of conduct. Article 4: Keep faith** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of conduct. Article 5: My responsibilities** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Code of conduct. Article 6: Stand firm** (*Motion picture*) U. S. Dept. of the Army, 1959.

**The Code: The U. S. fighting man's Code of conduct** (*Motion picture*) U. S. Dept. of Defense, 1959.

**Cummings City: Military assistance in civil disaster** (*Motion picture*) U. S. Dept. of Defense, 1958.

**A free people** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

**How to get along in a foreign country** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 553** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 554** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

## UNITED STATES

### —ARMED FORCES (Continued)

**I & E screen magazine, no. 556** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 558** (*Motion picture*) U. S. Dept. of Defense, 1958.

**I & E screen magazine, no. 560** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 561** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 562** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 563** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 564** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 565** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 566** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 570** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 571** (*Motion picture*) U. S. Dept. of Defense, 1959.

**I & E screen magazine, no. 572** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**I & E screen magazine, no. 574** (*Motion picture*) U. S. Dept. of Defense, 1959.

**I & E screen magazine, no. 576** (*Motion picture*) U. S. Dept. of Defense, 1959.

**I & E screen magazine, no. 577** (*Motion picture*) U. S. Dept. of Defense, 1960.

**I & E screen magazine, no. 578** (*Motion picture*) U. S. Dept. of Defense, 1960.

**On post safety** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Panama** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**The ramparts we watch** (*Motion picture*) U. S. Dept. of Defense, 1960.

**Resist** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Serving the nation** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1951.

**Teamed for peace** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Navy.

**Teamwork and you** (*Motion picture*) U. S. Dept. of Defense, 1950.

**U. S. forces in Europe** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.

**Your legal status in the Republic of Germany** (*Motion picture*) U. S. Dept. of Defense, 1959.

### —ARMED FORCES—COMMUNICATION SYSTEMS

**United States Army Signal Equipment Support Agency** (*Motion picture*) U. S. Dept. of the Army, 1959.

### —ARMED FORCES—FOREIGN SERVICE

**Overseas duty** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

### —ARMED FORCES—MILITARY POLICE

**MP highway patrol in Germany** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Military police approach: Vehicles** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

**Military police on trains** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use, 1956.

**Military police support in amphibious operations** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Military police town patrol. Part 1: Foot patrols** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Military police town patrol. Part 2: Motor patrols** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Operation thunderbolt** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

### —ARMED FORCES—ORDNANCE AND ORDNANCE STORES

**U. S. weapons in combat** (*Motion picture*) U. S. Dept. of the Army, 1953.

### —ARMED FORCES—PROCUREMENT

**Defense procurement: Contract administration** (*Motion picture*) U. S. Dept. of the Army, 1960.

### —ARMED FORCES—RECRUITING, ENLISTMENT, ETC.

**Chaplain U. S. A.** (*Motion picture*) U. S. Dept. of the Army, 1955.

### —ARMED FORCES—RESERVES

see also U.S.—Militia

**Man with a mission** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

**The reserve team** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

### —ARMED FORCES—SPORTS

**I & E sportsreel, no. 240** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

### —ARMED FORCES—TRANSPORTATION

**Arctic shipping: MSTS Arctic operations** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Military Traffic Management Agency** (*Motion picture*) U. S. Dept. of Defense, 1959.

### —ARMED FORCES—WOMEN

**The price of liberty** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

### —CIVILIAN DEFENSE

**Civil defense for farmers** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**The civil defense problem** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**Rural community defense** (*Motion picture*) U. S. Dept. of Agriculture in cooperation with the Office of Civil and Defense Mobilization, 1959.

### —CIVILIZATION

**American history II, lecture 7: Modern American society and culture** (*Motion picture*) U. S. Dept. of Defense, 1956.

### —DEFENSES

**The Army: Deterrent to aggression** (*Motion picture*) U. S. Dept. of the Army, 1960.

**The common defense** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**Economy is everybody's business** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1952.

**The pentomic Army** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Preparedness and national security** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Provide for the common defense** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

**The ramparts we watch** (*Motion picture*) U. S. Dept. of Defense, 1960.

**Research and development** (*Motion picture*) U. S. Dept. of Defense, in cooperation with U. S. Dept. of the Air Force, 1950.

**The reserve team** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

**The role of the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Your defense** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

### —DISCOVERY AND EXPLORATION see America—Discovery and exploration

### —ECONOMIC CONDITIONS

**American anniversary** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**American history I, lecture 11: Changes occur in the American economic life** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 18: The rise of modern industrial America** (*Motion picture*) U. S. Dept. of Defense, 1956.

**An American portrait** (*Motion picture*) U. S. Dept. of State, 1951. Made by Sound Masters. Released for public educational use through U. S. Office of Education, 1952.

**Factory worker turns farmer** (*Motion picture*) U. S. Dept. of State, 1949. Made by Louis de Rochemont Associates. Released for educational use in the United States through U. S. Office of Education, 1950.

### —ECONOMIC POLICY

**The American economy** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

### —EMIGRATION AND IMMIGRATION

**Immigrants** (*Motion picture*) U. S. Information Agency, 1957. Made by National Broadcasting Co. Released for public educational use in the United States through U. S. Office of Education, 1958.

### —FOREIGN ECONOMIC RELATIONS

**American history II, lecture 5: Problems of finance and foreign trade in an industrial economy** (*Motion picture*) U. S. Dept. of Defense, 1956.

### —FOREIGN POPULATION

**American anniversary** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

### —FOREIGN RELATIONS

**American history II, lecture 2: The United States continues its policy of isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 18: The United States in today's world** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Defense of the Western Hemisphere** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

**The dilemma of the U. S. foreign policy in the Middle East** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

**The Vice President of the United States—America's world responsibilities** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**The wounded bear theory with Daniel L. Schorr** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

### —GOVERNMENT see U.S.—Politics and government

### —HISTORIC HOUSES, ETC.

**Historic rural homes** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

**Homemaking in colonial days** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**A pilgrimage of liberty** (*Motion picture*) U. S. Information Agency, 1958. Made by Victor Jurgens. Released for public educational use in the United States through U. S. Office of Education, 1958.

**Rural colonial and early American homes and gardens** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

## UNITED STATES (Continued)

### —HISTORY

**A free people** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

**The long rifle** (*Motion picture*) U. S. Dept. of the Army, 1951.

**War comes to America** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

### —HISTORY—REVOLUTION

**American history I, lecture 4: England's American policy leads to revolt** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 5: The War for Independence** (*Motion picture*) U. S. Dept. of Defense, 1956.

**War of Independence, 1775–1783** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Creative Arts Studio.

### —HISTORY—CONFEDERATION, 1783-1789

**American history I, lecture 6: The critical period: the Articles of confederation to the Constitution** (*Motion picture*) U. S. Dept. of Defense, 1956.

### —HISTORY—CONSTITUTIONAL PERIOD, 1789-1809

**Tom Schuler, cobbler statesman** (*Motion picture*) U. S. Information Agency, 1953. Made by Sketchbook Film Productions. Released for public educational use in the United States through U. S. Office of Education, 1954.

### —HISTORY—WAR WITH FRANCE, 1798-1800

**The naval wars with France and Tripoli** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Creative Arts Studio.

### —HISTORY—TRIPOLITAN WAR, 1801-1805

**The naval wars with France and Tripoli** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Creative Arts Studio.

### —HISTORY—WAR OF 1812

**The War of 1812** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Creative Arts Studio.

### —HISTORY—WAR WITH MEXICO, 1845-1848

**American history I, lecture 13: The Nation expands to the Pacific** (*Motion picture*) U. S. Dept. of Defense, 1956.

### —HISTORY—CIVIL WAR

**American history I, lecture 15: The North and South fight a bitter war** (*Motion picture*) U. S. Dept. of Defense, 1956.

**History of the U. S. Navy: The Civil War, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**History of the U. S. Navy: The Civil War, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**I & E screen magazine, no. 552** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by U. S. Dept. of the Army.

### —HISTORY—WAR OF 1898

**American history II, lecture 8: The United States adopts a policy of imperialism** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Navy decline, the new Navy, and the war with Spain, 1865–1898** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

### —HISTORY, JUVENILE

**American painting in history** (*Filmstrip*) U. S. National Gallery of Art, 1959.

### —HISTORY, MILITARY

**The man in two places** (*Motion picture*) U. S. Dept. of the Army, 1956.

**One if by land** (*Motion picture*) U. S. Dept. of the Army, 1956.

**A tale of 2,000 cities** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Traditions and achievements of the Army** (*Motion picture*) U. S. Dept. of the Army, 1957.

### —INDUSTRIES

**American history II, lecture 3: The rise of modern industrial America** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Junior achievement** (*Motion picture*) U. S. Dept. of the Army, 1949. Made by Murphy Lillis. Released for public educational use through U. S. Office of Education, 1949.

### —MILITARY POLICY

**The American economy** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**The common defense** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

### —MILITIA

**The reserve team** (*Motion picture*) U. S. Dept. of Defense, 1949. Released for public educational use through U. S. Office of Education, 1951.

**The whites of their eyes** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Your National Guard** (*Motion picture*) U. S. Dept. of the Army, 1951.

### —NATIONAL GUARD

**Take 6** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Your National Guard** (*Motion picture*) U. S. Dept. of the Army, 1951.

### —POLITICS AND GOVERNMENT

**American history I, lecture 3: The colonists develop a life of their own** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 7: The Federalists launch the new government** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 8: Republicans strengthen the Nation at home and abroad** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 9: Growing national unity is checked by sectional differences** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 10: Andrew Jackson dominates the political scene** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 1: The political arena, 1865–1900** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 15: American politics, 1900–1920; the progressive movement** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 16: American politics, 1920–1932; the conservative reaction** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 17: Roosevelt and the New Deal** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 18: The United States in today's world** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Economy is everybody's business** (*Motion picture*) U. S. Dept. of Defense, 1950. Released for public educational use through U. S. Office of Education, 1952.

**Japanese Diet members observe U. S. Government in action** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by Warner News. Released for public educational use through U. S. Office of Education, 1950.

**Preparedness and national security** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Tuesday in November** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

### —RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

**America presents America** (*Motion picture*) U. S. Information Agency, 1956. Made by Movietone News.

**Peace and friendship in freedom: President Eisenhower's 11-nation tour** (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.

### —RELATIONS (GENERAL) WITH SPANISH AMERICA

**American history II, lecture 9: America's relations with her neighbors to the south** (*Motion picture*) U. S. Dept. of Defense, 1956.

### —RURAL CONDITIONS

**Farm and home development** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

### —SOCIAL LIFE AND CUSTOMS

**American history I, lecture 3: The colonists develop a life of their own** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history I, lecture 20: American society at the turn of the century** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Colonial home industries** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. National Museum, 1939.

**Homemaking in colonial days** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**On the trail of George Washington** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission and U. S. National Park Service, 1932.

**Pursuit of happiness** (*Motion picture*) U. S. Information Agency, 1957. Made by Herbert Kerkow, inc. Released for public educational use in the United States through U. S. Office of Education, 1957.

### —TERRITORIAL EXPANSION

**American history I, lecture 13: The Nation expands to the Pacific** (*Motion picture*) U. S. Dept. of Defense, 1956.

### —TERRITORIES AND POSSESSIONS

**American history II, lecture 2: The United States continues its policy of isolation** (*Motion picture*) U. S. Dept. of Defense, 1956.

**American history II, lecture 8: The United States adopts a policy of imperialism** (*Motion picture*) U. S. Dept. of Defense, 1956.

## U. S. AGRICULTURAL RESEARCH CENTER, BELTSVILLE, MD.

**Is research your job? Careers in human nutrition and home economics** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

## U. S. AGRICULTURAL RESEARCH SERVICE

**Breakthrough: The challenge of agricultural research** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

## U. S. AIR FORCE

**The ABC's of briefing** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force cameras in action** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The Air Force flight test center** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**The Air Force heavy press program** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 1** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 2** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 3** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 4** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 6** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 7** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 8** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 9** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 10** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

U. S. AIR FORCE (Continued)

**Air Force news review, no. 11** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 12** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Air Force news review, no. 13** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 14** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 15** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 16** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 17** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 18** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 19** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 20** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 22** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 23** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 24** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 25** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 26** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force news review, no. 27** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 28** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 29** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 30** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 31** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 32** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 33** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 34** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 35** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 36** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 37** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 38** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Air Force news review, no. 39** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 40** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 41** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 42** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 43** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 44** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 45** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 46** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 47** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 48** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 49: Highlights 1959** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Air Force news review, no. 50** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**Air Force news review, no. 51** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**The Air Force story: Cold war, 1948–1950** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The aircraft observer's place in the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Arctic airlift** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Cargo critical** (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by Herbert Kerkow Productions.

**Ground safety on the flight line, part 1** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Ground safety on the flight line, part 2** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**The man behind the badge** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Mission of the United States Air Force** (*Motion picture*) U. S. Dept. of Defense, 1957.

**Patents and Air Force research and development** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Peace through strength** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**Photographic highlights of USAF activities** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**The pilot and air traffic control** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Reaching for space** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Small business and the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1952.

**Strength of the chain (On the job training): Airman orientation** (*Motion picture*) U. S. Dept. of the Air Force, 1956. Made by Wilding Picture Productions.

**Tactical bomber in all-weather operations** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Tactical day fighter and fighter bomber operations** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**That men may fly** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by American Film Producers.

**Thunder from the skies** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

**We saw it happen** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

**We're a team** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Your Air Force in action** (*Motion picture*) U. S. Dept. of the Air Force, 1950.

—AIRMEN

**Seven letters** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—CHAPLAINS

**Never alone** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—EQUIPMENT

**Air Force non-destructive testing** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**The eagle's strengtn** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Quality control: a management tool** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—FINANCE

**Watchdog of the Air Force dollar** (*Motion picture*) U. S. Dept. of the Air Force, 1952.

—FUEL

**Air Force fuel and facilities: Aviation fuel dispensing facilities** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force fuel and facilities: Aviation fuel receipt and storage** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air Force fuel and facilities: Aviation fuel supply and transportation** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Maintenance of installed petroleum facilities** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—LEAVES AND FURLOUGHS

**Air Force leave and pass policies** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—MANAGEMENT

**In service management engineering: Project AFTO** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Management concepts of depot maintenance** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Work simplification** (*Motion picture*) U. S. Army Air Forces, 1945.

—MANEUVERS

**The field training program in the USAF** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—MILITARY LIFE

**Air Force customs and courtesies** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**It's up to you** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—NON-COMMISSIONED OFFICERS

**Noncommissioned officer academy** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

—OFFICERS

**The Air Force engineer** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Professional education of Air Force officers** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Supersonic thunderbirds** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

—ORDNANCE AND ORDNANCE STORES

**The Air Force missile mission** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**Missile logistics** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—ORGANIZATION

**Organization: Key to air power** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—PERSONNEL MANAGEMENT

**Strength of the chain (On the job training): The role of the supervisor** (*Motion picture*) U. S. Dept. of the Air Force, 1956. Made by Wilding Picture Productions.

—PROCUREMENT

**Base procurement** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Contract negotiation techniques** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**How to live with an Air Force contract** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Simulogs** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—RECRUITING, ENLISTMENT, ETC.

**It's up to you** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

—SAFETY MEASURES

**Flying safety report no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Pilot emergency escape survival system of the F/TF-102A** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—SANITARY AFFAIRS

**Medical planning for a task force operation** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Team work for a controlled environment** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

—SUPPLIES AND STORES

**Materials: Key to progress** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

### U. S. AIR FORCE
#### —SUPPLIES AND STORES (Continued)

**Property disposal in the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Supply catalog and stock list publications: Introduction** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Supply catalog and stock list publications: Lookups** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

#### —TRANSPORTATION

**Maintenance and management of USAF vehicles** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

#### —UNIFORMS

**The Air Force uniform** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

### U. S. AIR FORCE. AIR MATÉRIAL COMMAND

**The eagle's strength** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**How to live with an Air Force contract** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Management concepts of depot maintenance** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Missile logistics** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Pipeline to tomorrow** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

**Quality control** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

### U.S. AIR FORCE. AIR PROVING GROUND COMMAND

**Air Proving Ground Command** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

### U. S. AIR FORCE. AIR RESEARCH AND DEVELOPMENT COMMAND

**ARDC, special staff film report** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**ARDC special staff film report no. 4** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**ARDC staff film report, no. 5** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**ARDC staff film report, no. 6** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Air science in action** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Career opportunities in ARDC** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Organization: Key to air power** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Pipeline to tomorrow** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

### U. S. AIR FORCE. LOGISTICS SERVICE

**Pipeline in the sky** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

### U. S. AIR FORCE. MEDICAL RESERVE

**Medical minute men** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

### U. S. AIR FORCE. RESERVE OFFICERS' TRAINING CORPS

**Mister! Meet the future** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### U. S. AIR FORCE. STRATEGIC AIR COMMAND

**MATS control teams for SAC movements: Organization and preparation** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**MATS control teams for SAC movements: The results of planning** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**Men and planes** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Noncommissioned officer academy** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Strategic Air Command** (*Motion picture*) U. S. Dept. of Defense, 1952.

### U. S. AIR FORCE. WOMEN IN THE AIR FORCE

**Because she is there** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Women in the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1951. Made by American Film Producers.

### U. S. AIR FORCE ACADEMY

**Class of '59** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Creation of a monument** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**School of the sky** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### U.S. AIR FORCE MISSILE DEVELOPMENT CENTER, HOLLOMAN AIR FORCE BASE, N.M.

**Holloman: Frontier of the future** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**The sky is no limit** (*Motion picture*) U. S. Dept. of the Air Force, 1952.

### U. S. AIR FORCE MISSILE TEST CENTER, PATRICK AIR FORCE BASE, FLA.

**Count down** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

### U. S. AIR FORCE NURSE CORPS

**A charm for Katy** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

### U. S. AIR FORCE RESERVE

**The Air Reserve Forces** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Citizen airmen** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Reserve management in action** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**Sentinels in the air** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Trained and ready** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Two hats** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### U. S. AIR RESCUE SERVICE

**Know your Air Rescue Service** (*Motion picture*) U. S. Dept. of the Air Force, 1954.

### U. S. AIR RESERVE RECORDS CENTER, DENVER

**Manpower bank of the Air Force** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

### U. S. AIRWAYS AND AIR COMMUNICATION SERVICE

**The AACS story** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### U. S. ALBROOK AIR FORCE BASE, BALBOA, CANAL ZONE

**Pan American Air Force school** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

### U. S. AMES AERONAUTICAL LABORATORY, MOFFET FIELD, CALIF.

**Ames Aeronautical Laboratory in action** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

### U. S. ANIMAL DISEASE LABORATORY, PLUM ISLAND, N. Y.

**Plum Island Animal Disease Laboratory** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

### U. S. ARGONNE NATIONAL LABORATORY, CHICAGO

**The Argonaut** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

**The Argonne gamma irradiation facility** (*Motion picture*) U. S. Atomic Energy Commission, 1957.

**Construction of the Argonne research reactor** (*Motion picture*) U. S. Atomic Energy Commission, 1956.

### U. S. ARMED SERVICES TECHNICAL INFORMATION AGENCY

**ASTIA: Armed Services Technical Information Agency** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

### U. S. ARMY

**All star team** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Armor combat power** (*Motion picture*) U. S. Dept. of the Army, 1958.

**The Army: Deterrent to aggression** (*Motion picture*) U. S. Dept. of the Army, 1960.

**The fourth man: The civilian behind the soldier** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Japan logistical command** (*Motion picture*) U. S. Dept. of Defense, 1952.

**A look at your Army** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Mission of the Army** (*Motion picture*) U. S. Dept. of the Army, 1953.

**The mission of the United States Army** (*Motion picture*) U. S. Dept. of Defense, 1957. Made by the U. S. Dept. of the Army.

**Pass in review** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**The role of the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.

**This is your Army** (*Motion picture*) U. S. Dept. of the Army, 1954.

**To provide for the common defense** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Traditions and achievements of the Army** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Your Army in disaster relief** (*Motion picture*) U. S. Dept. of the Army, 1949.

#### —AIRBORNE TROOPS

**D-day minus one** (*Motion picture*) U. S. Army Air Forces, 1945.

**Drop zone** (*Motion picture*) U. S. Dept. of the Army, 1954.

#### —AVIATION

**Auxiliary means of communication. Part 1: Light aircraft message drop** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Auxiliary means of communication. Part 2: Light aircraft pickup** (*Motion picture*) U. S. Dept. of the Army, 1957.

#### —COMMISSARIAT

**Consolidated messing operations** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Mess management: Conservation control in the management of a mess** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Mess personnel: Profit and loss in the kitchen** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Mess sanitation** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Quartermaster quality control for subsistence items** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Ration breakdown** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

#### —COMMUNICATION SYSTEMS

**The Army command and administrative network. Part 1: Network facilities** (*Motion picture*) U. S. Dept. of the Army, 1956.

#### —EQUIPMENT

**The case method of instruction, part 3** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Modern ordnance material: The M76 amphibious cargo carrier** (*Motion picture*) U. S. Dept. of the Army, 1954.

**New weapons and equipment for the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Preventive maintenance of signal equipment for commanders** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

## U. S. ARMY

### —EQUIPMENT (Continued)

**Science and the Signal Corps** (*Motion picture*) U. S. Dept. of the Army, 1950.

**A sharper sword and a stronger shield** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Task Force Frigid** (*Motion picture*) U. S. Dept. of Defense, 1948.

**Task Force Frigid** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

### —FIELD SERVICE

**Field training of the U. S. Corps of Cadets** (*Motion picture*) U. S. Dept. of the Army, 1959.

### —FINANCE

**Dollars and sense: The Army financial management plan** (*Motion picture*) U. S. Dept. of the Army, 1956.

### —GUARD DUTY

**Mechanical aids to physical security. Part 1: Perimeter barriers and personnel identification** (*Filmstrip*) U. S. Dept. of the Army, 1955.

### —MANAGEMENT

**The case method of instruction, part 2** (*Motion picture*) U. S. Dept. of the Army, 1959.

**The case method of instruction, part 3** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Introduction to automatic data processing** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Work simplification in the shop** (*Motion picture*) U. S. Dept. of the Army, 1954.

### —MANEUVERS

**The aggressor force** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Exercise ski jump** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Exercise Yukon** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Hit the beach** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Task Force Frigid** (*Motion picture*) U. S. Dept. of Defense, 1948.

**Task Force Frigid** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

### —MILITARY LIFE

**Adjustment to military life** (*Motion picture*) U. S. Dept. of the Army, 1954.

**The Army entertainment program** (*Filmstrip*) U. S. Dept. of the Army, 1954.

**Best by test** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Dress rehearsal** (*Motion picture*) U. S. Dept. of the Army, 1952.

**It's up to you** (*Motion picture*) U. S. Dept. of the Army, 1955.

**It's your future** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Letter from a mother** (*Motion picture*) U. S. Dept. of the Army, 1955.

**A look ahead** (*Motion picture*) U. S. Dept. of the Army, 1953.

**No place like home** (*Motion picture*) U. S. Dept. of Defense, 1947.

**Service plus** (*Motion picture*) U. S. Dept. of Defense, 1950.

**The soldier's mission and responsibilities** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Something about a soldier** (*Motion picture*) U. S. Dept. of Defense, 1948.

**Standards of a serviceman** (*Motion picture*) U. S. Dept. of Defense. 1951.

**U. S. Army service clubs** (*Filmstrip*) U. S. Dept. of the Army, 1954.

**Wearing of the uniform** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

### —NON-COMMISSIONED OFFICERS

**Greatness** (*Motion picture*) U. S. Dept. of the Army, 1958.

### —OFFICERS

**Officer school: U. S. Army** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1950.

### —OFFICIALS AND EMPLOYEES

**Look toward tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1960.

### —ORDNANCE AND ORDNANCE STORES

**Establishment of a field ammunition supply point** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Let's look at ordnance** (*Motion picture*) U. S. War Dept., 1945.

**Ordnance service in an overseas theater** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

### —ORGANIZATION

**The pentomic Army** (*Motion picture*) U. S. Dept. of the Army, 1958.

### —PARACHUTE TROOPS

**The airborne soldier** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Paratroops** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

### —PERSONNEL MANAGEMENT

**Effective utilization of manpower in the U. S. Army** (*Motion picture*) U. S. Dept. of the Army, 1952.

### —PHYSICAL TRAINING

**Physical training, Army drill number one. Part 1: Exercises 1–4** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Physical training, Army drill number one. Part 2: Exercises 5–8** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Physical training, Army drill number one. Part 3: Exercises 9–12** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Physical training, Army drill number one. Part 4: Alternate exercises, supplementary activities** (*Motion picture*) U. S. Dept. of the Army, 1956.

### —PRISONS

**Rehabilitation of military prisoners** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use, 1956.

### —RECORDS AND CORRESPONDENCE

**The Army statistical and accounting system** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

### —RECRUITING, ENLISTMENT, ETC.

**It's your future** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Prepare thru education** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Sgt. MacDuff, salesman** (*Motion picture*) U. S. Dept. of the Army, 1955.

### —REGULATIONS

**How free am I?** (*Motion picture*) U. S. Dept. of the Army, 1957.

### —RESERVES

**Our sons** (*Motion picture*) U. S. Dept. of the Army, 1958.

### —SANITARY AFFAIRS

**Medical planning for a task force operation** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Mess sanitation, part 1** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Mess sanitation, part 2** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Mess sanitation, part 3** (*Motion picture*) U. S. Dept. of the Army, 1954.

### —SIGNALING

**Auxiliary means of communication. Part 1: Light aircraft message drop** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Auxiliary means of communication. Part 2: Light aircraft pickup** (*Motion picture*) U. S. Dept. of the Army, 1957.

### —SONGS AND MUSIC

**The caissons go rolling along** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

### —SPORTS

**Army sports** (*Motion picture*) U. S. Dept. of Defense, 1960. Made by U. S. Dept. of the Army.

### —SUPPLIES AND STORES

**Ammunition supply point (ASP) operation** (*Motion picture*) U. S. Dept. of the Army, 1954.

**The big picture: Operation Lifeline** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Quartermaster quality control for clothing and textile items** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Quartermaster quality control for general supplies** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Supply procedures for TOE organizations and non-TOE activities** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Warehousing series. Part 1: Storage procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Warehousing series. Part 2: Aisle arrangement** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Warehousing series. Part 3: Bins, racks and box pallets** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Warehousing series. Part 5: Receiving and shipping of supplies** (*Motion picture*) U. S. Dept. of the Army, 1958.

### —TRANSPORTATION

**Icecap, II** (*Motion picture*) U. S. Dept. of the Army, 1954.

**The Military Sea Transportation Service: Troop transportation** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.

**Transportation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

### —UNIFORMS

**Fitting of the Army green uniform** (*Motion picture*) U. S. Dept. of the Army, 1957.

**The history of the U. S. Army uniform** (*Motion picture*) U. S. Dept. of Defense, 1959. Made by U. S. Dept. of the Army.

**Quartermaster quality control for clothing and textile items** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Wearing of the uniform** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

## U.S. ARMY. AIR CORPS

**The Air Force story: After the war, 1918–1923** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Air power advances, 1935–1937** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Between wars, 1930–1935** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Prelude to war, 1937–1939** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Struggle for recognition, 1924–1930** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The air war starts, 1939–1941** (*Motion picture*) U. S. Dept. of the Air Force. 1953.

**The Air Force story: The drawing of the battle lines. December 1941 to April 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

## U. S. ARMY. 2d ARMORED DIVISION

**Hell on wheels** (*Motion picture*) U. S. Dept. of the Army, 1951.

### U.S. ARMY. FIRST ARMY

**American First Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.

### U.S. ARMY. THIRD ARMY

**The famous Third Army** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

### U.S. ARMY. FIFTH ARMY

**San Pietro** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

### U.S. ARMY. SEVENTH ARMY

**Invasion of southern France** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. NINTH ARMY

**American Ninth Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

### U.S. ARMY. ARTILLERY

**Weapons of the artillery** (*Motion picture*) U. S. Dept. of the Army, 1953.

### U.S. ARMY. BROOKE ARMY MEDICAL CENTER, FORT SAM HOUSTON, TEX.

**The big picture: Medical service Corps** (*Motion picture*) U. S. Dept. of the Army, 1956.

### U.S. ARMY. 1st CAVALRY DIVISION

**The Admiralty Islands** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

**Hell for leather** (*Motion picture*) U. S. War Dept., 1946.

### U.S. ARMY. VI CORPS

**Sicily to Naples** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

### U.S. ARMY. X CORPS

**United Nations campaign in northeast Korea** (*Motion picture*) U. S. Dept. of the Army, 1952.

### U.S. ARMY. CORPS OF ENGINEERS

**The Army's Corps of Engineers** (*Motion picture*) U. S. Army Engineers, 1955.

**A decade in review** (*Motion picture*) U. S. Army Engineers, 1959.

**Engineer mission** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Engineer power shovel and attachments** (*Motion picture*) U. S. War Dept., 1944.

**The engineer supply mission** (*Motion picture*) U. S. Army Engineers, 1958.

**Great land** (*Motion picture*) U. S. Army Engineers, 1955.

**Operation Noah** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Timber sales and inspection techniques** (*Motion picture*) U. S. Army Engineers, 1956.

**Towers above the sand** (*Motion picture*) U. S. Army Engineers, 1954.

### U.S. ARMY. CORPS OF MILITARY POLICE

**Apprehension and search of persons** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The military police story** (*Motion picture*) U. S. Dept. of the Army, 1954.

**Straggler control** (*Motion picture*) U. S. Dept. of the Army, 1953. Released for public educational use, 1956.

### U.S. ARMY. DENTAL CORPS

**The Army Dental Service** (*Motion picture*) U. S. Dept. of the Army, 1957.

### U.S. ARMY. 1st DIVISION

**The fighting First** (*Motion picture*) U. S. War Dept., 1946.

### U.S. ARMY. 6th DIVISION

**Sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

### U.S. ARMY. 7th DIVISION

**Seventh Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949.

### U.S. ARMY. 24th DIVISION

**The victory division: 24th Infantry** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. 26th DIVISION

**The Twenty-sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1952.

### U.S. ARMY. 27th DIVISION

**27th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.

### U.S. ARMY. 29th DIVISION

**29th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. 30th DIVISION

**Work horse of the western front: 30th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. 32d DIVISION

**32nd Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1954.

### U.S. ARMY. 34th DIVISION

**The red bull attacks: 34th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. 35th DIVISION

**The big wheel** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. 36th DIVISION

**36th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.

### U.S. ARMY. 41st DIVISION

**Sunset Division: 41st Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

### U.S. ARMY. 43d DIVISION

**Winged victory on foot: 43d Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

### U.S. ARMY. 82d DIVISION

**D-day minus one** (*Motion picture*) U. S. Army Air Forces, 1945.

**The 82d Airborne Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

### U.S. ARMY. 83d DIVISION

**The 83rd Infantry Division in Europe** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

### U.S. ARMY. 101st DIVISION

**D-day minus one** (*Motion picture*) U. S. Army Air Forces, 1945.

### U.S. ARMY. INFANTRY

**Ranger training** (*Motion picture*) U. S. Dept. of the Army, 1953.

**The reinforced rifle platoon in the attack of a built up area. Part 2: The attack** (*Motion picture*) U. S. Dept. of the Army, 1954.

### U.S. ARMY. MEDICAL CORPS

**The U. S. Army medical team** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Your bright tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1957.

### U.S. ARMY. ORDNANCE CORPS

**The unseen army** (*Motion picture*) U. S. Dept. of the Army, 1954.

### U.S. ARMY. RESERVE OFFICERS' TRAINING CORPS

**Army ROTC** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**The Army ROTC: Learn today, lead tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1952. Released for public educational use through U. S. Office of Education, 1952.

**Field training for ROTC** (*Motion picture*) U. S. Dept. of the Army, 1956.

**ROTC at work** (*Motion picture*) U. S. Dept. of Defense, 1948.

### U.S. ARMY. SIGNAL CORPS

**A century of Army signals 1860–1960: A centennial message from the Chief Signal Officer, United States Army** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Pro patria vigilans** (*Motion picture*) U. S. Dept. of the Army, 1951.

**Science and the Signal Corps** (*Motion picture*) U. S. Dept. of the Army, 1950.

**The Signal Corps prepares** (*Motion picture*) U. S. Dept. of the Army, 1960.

**United States Army Signal Equipment Support Agency** (*Motion picture*) U. S. Dept. of the Army, 1959.

**Your job in the Signal Corps** (*Motion picture*) U. S. Dept. of the Army, 1951.

#### —AVIATION

**The Air Force story: After the war, 1918–1923** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The beginning** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

### U.S. ARMY. TRANSPORTATION CORPS

**Icecap, I** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Tractor sled operations (Icecap II)** (*Motion picture*) U. S. Dept. of the Army, 1954.

### U.S. ARMY. WALTER REED ARMY HOSPITAL, WASHINGTON, D. C.

**Hearing evaluation and rehabilitation** (*Motion picture*) U. S. Dept. of the Army, 1960.

### U.S. ARMY. WALTER REED ARMY MEDICAL CENTER

**Dental activities, Walter Reed Army Medical Center** (*Motion picture*) U. S. Dept. of the Army, 1953.

### U.S. ARMY. WOMEN'S ARMY CORPS

**Armed Forces screen magazine, no. 504** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through the U. S. Office of Education, 1953.

**Armed forces screen magazine, no. 506** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Beyond tomorrow, a story of an American girl** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Executive wanted** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Military lady (WAC)** (*Motion picture*) U. S. Dept. of the Army, 1959.

**No greater heritage** (*Motion picture*) U. S. Dept. of the Army, 1951.

**On parade** (*Motion picture*) U. S. Dept. of the Army, 1953.

**Strictly personal** (*Motion picture*) U. S. War Dept., 1945.

### U.S. ARMY AIR FORCES

**AAF comes of age** (*Motion picture*) U. S. Army Air Forces, 1946.

**The Air Force story: A new Air Force, 1945–1947** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

**The Air Force story: Air war against Japan, 1944–1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: D-day, June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Expanding air power, June 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Global operations, 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

### U.S. ARMY AIR FORCES (Continued)

**The Air Force story: Maximum effort, October 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: North Africa, November 1942–May 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Ploesti, March–August 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Prelude to invasion, January–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Retreat and advance, June 1944–March 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Road to Rome, September 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Schweinfurt and Regensburg, August 1943** (*Motion picture*) U. S. Dept. of the Air Force 1953.

**The Air Force story: Superfort, August 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force 1953.

**The Air Force story: The AAF fights back, April–July 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The drawing of the battle lines, December 1941 to April 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The tide turns, June–December 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Two years of war, September–December 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Victory in Europe, June 1944–May 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Air power** (*Motion picture*) U. S. Dept. of the Air Force, 1949. Made by Sound Masters.

**Victory in the air** (*Motion picture*) U. S. Army Air Forces, 1945.

### U.S. ARMY AIR FORCES. 8th AIR FORCE

**The Air Force story: Maximum effort, October 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Victory in Europe, June 1944–May 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Fight for the sky** (*Motion picture*) U. S. Army Air Forces, 1945.

### U.S. ARMY AIR FORCES. 12th AIR FORCE

**The Air Force story: Road to Rome, September 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

### U.S. ARMY AIR FORCES. 13th AIR FORCE

**Air pattern Pacific** (*Motion picture*) U. S. Army Air Forces, 1945.

### U.S. ARMY AIR FORCES. 14th AIR FORCE

**China crisis** (*Motion picture*) U. S. Army Air Forces, 1946.

### U.S. ARMY AIR FORCES. 15th AIR FORCE

**The Air Force story: Ploesti, March–August 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

### U.S. ARMY AIR FORCES. 9th TROOP CARRIER COMMAND

**D-Z Normandy: Employment of troop carrier forces** (*Motion picture*) U. S. Army Air Forces, 1944.

### U.S. ARMY MEDICAL SERVICE

**Diary of a sergeant** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**To hear again** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

### U.S. ARMY NURSE CORPS

**Nurses in the Army** (*Motion picture*) U. S. Dept. of the Army, 1955.

### U.S. ARMY RESERVE

**The do it yourself peace** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Fire power** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The man in two places** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Men 17 and 18½, your future and the new reserve law** (*Motion picture*) U. S. Dept. of the Army, 1955.

**One if by land** (*Motion picture*) U. S. Dept. of the Army, 1956.

**A tale of 2,000 cities** (*Motion picture*) U. S. Dept. of the Army, 1956.

**The whites of their eyes** (*Motion picture*) U. S. Dept. of the Army, 1956.

### U.S. BEEF CATTLE RESEARCH STATION, FRONT ROYAL, VA.

**Beef cattle performance testing** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

### U.S. BUREAU OF HUMAN NUTRITION AND HOME ECONOMICS

**Better living through research** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

### U.S. BUREAU OF SHIPS

**Ship design for tomorrow** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### U.S. BUREAU OF YARDS AND DOCKS

**The Naval establishment: Bureau of Yards and Docks** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Audio Pictures.

### U.S. CHAPLAINCY SERVICE

**Quiet triumph** (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

### U.S. CIVIL AIR PATROL

**Aviation and you** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

**Career for tomorrow** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Civil Air Patrol** (*Motion picture*) U. S. Dept. of the Air Force, 1950. Made by American Film Producers.

**Hero next door** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

—CHAPLAINS

**The role of the chaplain in Civil Air Patrol** (*Filmstrip*) U. S. Civil Air Patrol, 1957.

### U.S. COAST AND GEODETIC SURVEY

**Surveyors at work** (*Motion picture*) U. S. Coast and Geodetic Survey, 1957.

### U.S. COAST GUARD

**Alaskan patrol** (*Motion picture*) U. S. Coast Guard, 1957.

**Along our shores** (*Motion picture*) U. S. Coast Guard, 1945.

**Coast Guard cutters around the continent** (*Motion picture*) U. S. Coast Guard, 1958.

**Coast Guard icebreakers** (*Motion picture*) U. S. Coast Guard, 1958.

**On foreign shores** (*Motion picture*) U. S. Coast Guard, 1945.

**Sentries of the sea lanes** (*Motion picture*) U. S. Coast Guard, 1954.

**Serving the merchant marine** (*Motion picture*) U. S. Coast Guard, 1944.

**Story of the Great Lakes** (*Motion picture*) U. S. Coast Guard, 1954.

**The United States Coast Guard** (*Motion picture*) U. S. Coast Guard, 1958.

**Weather duties** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Weathermen of the sea** (*Motion picture*) U. S. Coast Guard, 1950.

—SEARCH AND RESCUE OPERATIONS

**Operation of ocean station vessels during search and rescue** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Search and rescue boat handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Search patterns** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Survivor recovery and handling** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Towing a disabled plane** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Training in operation plans between the ocean station vessel and a ditching plane** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Transfer of a patient at sea** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Use of radio and visual signaling devices** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Use of special electronic and visual search aids** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

### U.S. COAST GUARD. RECEIVING CENTER, CAPE MAY, N. J.

**Shine the boot** (*Motion picture*) U. S. Coast Guard, 1956.

### U.S. CONGRESS

**The man on the Hill** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Your Congressman at work** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

### U.S. CONSTITUTION. 1st-10th AMENDMENTS

**Our American heritage** (*Motion picture*) U. S. Dept. of Defense, 1949.

**Voices of the people** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

### U.S. COOPERATIVE EXTENSION SERVICE see U.S. Federal Extension Service. Division of Cooperative Extension

### U.S. CORPS OF ENGINEERS

**Fighters and builders** (*Motion picture*) U. S. Army Engineers, 1959.

### U.S. DAVID W. TAYLOR MODEL BASIN, CARDEROCK, MD.

**The David Taylor Model Basin, Carderock, Maryland** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**David Taylor Model Basin story** (*Motion picture*) U. S. Dept. of the Navy, 1957.

### U.S. DECLARATION OF INDEPENDENCE

**Voices of the people** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

### U.S. DEPT. OF DEFENSE

**Power for peace** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Navy.

### U.S. DEPT. OF THE AIR FORCE. TECHNICAL ORDER

**The Air Force technical order system** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

### U.S. DEPT. OF THE AIR FORCE. MILITARY AIR TRANSPORT SERVICE

**Aeromedical evacuation** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

U. S. DEPT. OF THE AIR FORCE. MILITARY AIR TRANSPORT SERVICE (Continued)

**Anytime—anything—anyplace** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Cargo critical** (*Motion picture*) U. S. Dept. of the Air Force, 1955. Made by Herbert Kerkow Productions.

**MATS control teams for SAC movements: Organization and preparation** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**MATS control teams for SAC movements: The results of planning** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

**The MATS transport control system** (*Motion picture*) U. S. Dept. of the Air Force, 1955.

**Transportation of missiles** (*Motion picture*) U. S. Dept. of the Air Force, 1958.

U.S. DEPT. OF THE ARMY

**The fourth man: The civilian behind the soldier** (*Motion picture*) U. S. Dept. of the Army, 1956.

U.S. *FEDERAL EXTENSION SERVICE*, DIVISION OF COOPERATIVE EXTENSION

**Scope report** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

U. S. FLIGHT TEST SCHOOL, EDWARDS AIR FORCE BASE, CALIF.

**USAF Flight Test School** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

U. S. FOREST PRODUCTS LABORATORY, MADISON, WIS.

**A piece of wood** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

U. S. FOREST SERVICE

**Rainbow Valley: The story of a forest ranger** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Smokejumper training: Part 1: Indoctrination** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Smokejumper training. Part 2: Ground training** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Smokejumper training. Part 3: Jump training** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Smokejumpers** (*Motion picture*) U. S. Dept. of Agriculture, 1949.

U. S. HYDROGRAPHIC OFFICE

**History of the U. S. Navy Hydrographic Office** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Academy Pictures.

U. S. INFANTRY SCHOOL, FORT BENNING, GA.

**Follow me** (*Motion picture*) U. S. Dept. of Defense, 1953.

U. S. INFORMATION AGENCY

**America presents America** (*Motion picture*) U. S. Information Agency, 1956. Made by Movietone News.

U. S. JOINT CHIEFS OF STAFF

**The mission of the Joint Chiefs of Staff** (*Motion picture*) U. S. Dept. of Defense, 1950.

U. S. JUDGE-ADVOCATE-GENERAL'S DEPT. (ARMY)

**The most rewarding law** (*Motion picture*) U. S. Dept. of the Army, 1960.

U. S. LAKE SURVEY

**Charting activities of the U. S. Lake Survey** (*Motion picture*) U. S. Army Engineers, 1953.

U. S. LIBRARY OF CONGRESS

**The greatest treasure** (*Motion picture*) U. S. Information Agency, 1957. Made by Norwood Studios. Released for public educational use in the United States through U. S. Office of Education.

**The Library of Congress** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

U. S. LITTLE ROCK AIR FORCE BASE, JACKSONVILLE, ARK.

**Construction of Little Rock Air Force Base** (*Motion picture*) U. S. Army Engineers, 1957.

U. S. LUKE AIR FORCE BASE, GLENDALE, ARIZ.

**F-84F combat crew training, Luke Air Force Base** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

U. S. MARINE BAND

**Presidential hit parade** (*Motion picture*) U. S. Marine Corps, 1955. Made by U. S. Dept. of the Navy.

**Sunset parade** (*Motion picture*) U. S. Marine Corps, 1956. Made by U. S. Dept. of the Navy.

**Your Marine Band from then to now** (*Motion picture*) U. S. Marine Corps, 1954. Made by U. S. Dept. of the Navy.

U. S. MARINE CORPS

**The amphibious marines** (*Motion picture*) U. S. Marine Corps, 1952. Made by U. S. Dept. of the Navy.

***From ships of the sky*** (*Motion picture*) *U. S. Dept. of the* Navy, 1955.

**Leatherneck lieutenants** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

**Marine reservists at summer camp** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

**Mission of the United States Marine Corps** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Skyknight** (*Motion picture*) U. S. Marine Corps, 1954. Made by U. S. Dept. of the Navy.

**Summer incident** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Teamwork** (*Motion picture*) U. S. Marine Corps, 1951. Made by U. S. Dept. of the Navy.

**Three guys called Mac** (*Motion picture*) U. S. Marine Corps, 1956.

**U. S. Marine Air Reserve recruiting TV trailer no. 1** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

**With the Marines: Chosin to Hungnam** (*Motion picture*) U. S. Dept. of the Navy, 1951.

—AVIATION

**The leading edge** (*Motion picture*) U. S. Marine Corps, 1958.

—OFFICERS

**The leading edge** (*Motion picture*) U. S. Marine Corps, 1958.

—RECRUTING, ENLISTMENT, ETC.

**The challenge** (*Motion picture*) U. S. Marine Corps, 1957. Made by Jam Handy Organization.

—SONGS AND MUSIC

**Marine hymn** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

—UNIFORMS

**Armed Forces screen magazine, no. 533** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

—WARRANT OFFICERS

**Backbone of the corps** (*Motion picture*) U. S. Marine Corps, 1958.

—WOMEN MARINES

**Share a proud tradition** (*Motion picture*) U. S. Marine Corps, 1959. Made by Pathescope Co. of America.

U. S. MARINE CORPS. FIGHTER SQUADRON 122

**The Furies** (*Motion picture*) U. S. Marine Corps, 1957. Made by U. S. Dept. of the Navy.

U. S. MARINE CORPS RESERVE

**Marine Corps Air Reserve technical indoctrination** (*Motion picture*) U. S. Marine Corps, 1953. Made by U. S. Dept. of the Navy.

U. S. MILITARY ACADEMY, WEST POINT

**Hail, alma mater** (*Motion picture*) U. S. Dept. of the Army, 1951.

**The making of a West Pointer** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Sylvanus Thayer** (*Motion picture*) U. S. Army Engineers, 1959.

**This is West Point** (*Motion picture*) U. S. Dept. of the Army, 1951.

—ATHLETICS

**Army-Navy football game, 1948** (*Motion picture*) U. S. Dept. of the Navy, 1948.

**Army-Navy football game, 1954** (*Motion picture*) U. S. Dept. of the Navy, 1955.

**I & E sportsreel, no. 222** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

U. S. MILITARY ADVISORY GROUP TO THE REPUBLIC OF KOREA

**KMAG and the ROK soldier** (*Motion picture*) U. S. Dept. of the Army, 1954.

U.S. MILITARY AIR TRANSPORT SERVICE see U.S. Dept. of the Air Force. Military Air Transport Service

U.S. MILITARY SEA TRANSPORTATION SERVICE

**Arctic shipping: MSTS Arctic operations** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**MSTS Arctic operations, 1956** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**MSTS Arctic operations 1957** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**The Military Sea Transportation Service: Cabin passengers** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.

**The Military Sea Transportation Service, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Warner News.

**The Military Sea Transportation Service: Troop transportation** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Pathescope Co. of America.

U. S. MILITARY TRAFFIC MANAGEMENT AGENCY

**Military Traffic Management Agency** (*Motion picture*) U. S. Dept. of Defense, 1960.

U. S. NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

**NACA research** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1949.

U. S. NATIONAL GALLERY OF ART

**American painting in history** (*Filmstrip*) U. S. National Gallery of Art, 1959.

**The art of the Florentine golden age in the National Gallery of Art** (*Filmstrip*) U. S. National Gallery of Art, 1956.

**National Gallery of Art** (*Motion picture*) National Gallery of Art, 1945. Made by U. S. Office of Strategic Services.

U. S. NAVAL ACADEMY, ANNAPOLIS

**The Annapolis story** (*Motion picture*) U. S. Dept. of the Navy, 1954.

—ATHLETICS

**Army-Navy football game, 1948** (*Motion picture*) U. S. Dept. of the Navy, 1948.

**Army-Navy football game, 1954** (*Motion picture*) U. S. Dept. of the Navy, 1955.

**I & E sportsreel, no. 222** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by U. S. Dept. of the Army.

**Sugar Bowl classic** (*Motion picture*) U. S. Dept. of the Navy, 1955.

U.S. NAVAL AIR RESERVE

**Malta revisited** (*Motion picture*) U. S. Dept. of the Navy, 1955.

U.S. NAVAL AIR STATION, LAKEHURST, N. J.

**This is Lakehurst** (*Motion picture*) U. S. Dept. of Defense, 1952.

U.S. NAVAL AIRCRAFT FACTORY, LEAGUE ISLAND, PA.

**40th anniversary of the establishment of the Naval Aircraft Factory** (*Motion picture*) U. S. Dept. of the Navy, 1957.

U.S. NAVAL CIVIL ENGINEERING RESEARCH AND EVALUATION LABORATORY, PORT HUENEME, CALIF.

**U. S. Naval Civil Engineering Laboratory** (*Motion picture*) U. S. Dept. of the Navy, 1959.

U.S. NAVAL FLYING CORPS

**The story of naval aviation** (*Motion picture*) U. S. Dept. of the Navy, 1954.

U.S. NAVAL GUN FACTORY, WASHINGTON, D. C.

**The Naval Gun Factory** (*Motion picture*) U. S. Dept. of the Navy, 1952.

U.S. NAVAL OBSERVATORY

**The United States Naval Observatory** (*Motion picture*) U. S. Dept. of the Navy, 1955.

U.S. NAVAL ORDNANCE LABORATORY, WHITEOAK, MD.

**Naval Ordnance Laboratory: The N-O-L story** (*Motion picture*) U. S. Dept. of the Navy, 1951.

U.S. NAVAL RESEARCH LABORATORY, BELLEVUE, D. C.

**The Naval Research Laboratory reactor** (*Motion picture*) U. S. Dept. of the Navy, 1959.

U.S. NAVAL RESERVE

**European cruise** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**U. S. Naval Reserve: The surface reserve** (*Motion picture*) U. S. Dept. of the Navy, 1960.

U.S. NAVAL RESERVE. WOMEN'S RESERVE

**Dear boss** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Waves at work** (*Motion picture*) U. S. Dept. of the Navy, 1953.

U.S. NAVAL RESERVE FLYING CORPS

**U. S. Naval Reserve: Air Naval Reserve, the weekend warriors** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

U.S. NAVAL RESERVE SUBMARINE SERVICE

**U. S. Naval Reserve: Submarine Naval Reserve** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Princeton Film Center.

U.S. NAVAL SCHOOL OF MUSIC, WASHINGTON, D. C.

**The Naval School of Music** (*Motion picture*) U. S. Dept. of the Navy, 1956.

U.S. NAVY

**Admiral Carney passes the word** (*Motion picture*) U. S. Dept. of the Navy, 1955.

**Command of the seas: Arctic** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Command of the seas: Atlantic** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Command of the seas: Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Command of the seas: United States** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Fighting lady's family** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**steart of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**History of the U. S. Navy: The Civil War, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**History of the U. S. Navy: The Civil War, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Mission of the United States Navy** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**The Navy and science** (*Motion picture*) U. S. Dept. of the Navy, 1951.

**Navy decline, the new Navy, and the war with Spain, 1865–1898** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

**Navy news of 1955** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Navy news of 1955, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Navy news of 1956, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**Navy news of 1956, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**Navy screen highlights, 1957, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Navy screen highlights, 1957, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Navy screen highlights, 1958, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Navy screen highlights, 1958, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Navy screen highlights, 1959, part 1** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Navy screen highlights, 1959, part 2** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Navy screen highlights, 1959, part 3** (*Motion picture*) U. S. Dept. of the Navy, 1960.

**Ready for sea** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**The return of the zipper fleet** (*Motion picture*) U. S. Dept. of Defense, 1951.

**Sea power for peace** (*Motion picture*) U. S. Dept. of the Navy, 1948.

**Security through seapower** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Summer incident** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Terrier, the new fleet weapon** (*Motion picture*) U. S. Dept. of the Navy, 1954.

**This is your Navy** (*Motion picture*) U. S. Dept. of the Navy, 1951.

**World wide naval operations in peace and war, 1815–1860** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Creative Arts Studio.

**You too are the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Princeton Film Center.

—AVIATION

**Armed Forces screen magazine, no. 545** (*Motion picture*) U. S. Dept. of Defense, 1956. Made by U. S. Dept. of the Army.

**Ground aids to air navigation: Ship to shore** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Wilding Picture Productions.

**O'er the ramparts** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**The U. S. Naval Test Pilot School** (*Motion picture*) U. S. Dept. of the Navy, 1959.

—ELECTRONIC INSTALLATIONS

**Environmental factors affecting reusability of electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956.

**Reduction of radio interference** (*Motion picture*) U. S. Dept. of the Navy, 1951.

—HOSPITAL-SHIPS

**Hospital afloat** (*Motion picture*) U. S. Dept. of the Navy, 1952.

—MANAGEMENT

**Value engineering: More ships for less money** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films.

—MANEUVERS

**Hit the beach** (*Motion picture*) U. S. Dept. of the Army, 1950.

—ORDNANCE AND ORDNANCE STORES

**Armed Forces screen magazine, no. 579** (*Motion picture*) U. S. Dept. of Defense, 1953.

**Missiles of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1958.

—PAINTING OF VESSELS

**Painting ships bottoms: Hot and cold plastic anti-fouling paint** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Business Films. Released for public educational use through U. S. Office of Education, 1948.

—PHYSICAL TRAINING

**The bluejacket's personal hygiene** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by March of Time. Released for public educational use through U. S. Office of Education, 1948.

**Physical fitness for Waves: Make-up from the neck down** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Willard Pictures. Released for public educational use through U. S. Office of Education, 1947.

**Physical fitness program for the U. S. Navy** (*Motion picture*) U. S. Dept. of the Navy, 1942. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1944.

**Recreation and athletics in the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

—PROCUREMENT

**Value engineering: More ships for less money** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by Depicto Films.

—PROVISIONING

**Food preparation and service** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Depicto Films.

**Shipboard inspection by medical department personnel: Food preparation** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard inspection by medical department personnel: Food serving** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard inspection by medical department personnel: Food storage** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

—PUBLIC RELATIONS

**Public information objectives of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1956.

—RECRUITING, ENLISTMENT, ETC.

**Naval aviation and you** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Herbert Kerkow, inc.

**The role of the recruit company commander** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Audio Productions.

**Who's too old** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1952.

—REGULATIONS

**Non-judicial punishment** (*Motion picture*) U. S. Dept. of the Navy, 1952. Released for public educational use through U. S. Office of Education, 1953.

—RELIGIOUS LIFE

**The Navy goes to church: Thine is the power** (*Motion picture*) U. S. Dept. of the Navy, 1959.

—RESERVE FLEETS

**Reserve fleet activation, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Meridian Films Corp.

—SAFETY MEASURES

**Safety on-the-job at sea** (*Motion picture*) U. S. Dept. of the Navy, 1957. Made by F. K. Rockett Co.

### U. S. NAVY
#### —SAFETY MEASURES (Continued)

**Shipboard inspection by medical department personnel: Living and working spaces** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

#### —SANITARY AFFAIRS

**Medical planning for a task force operation** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Medicine hits the beach** (*Motion picture*) U. S. Navy Dept., 1944. Made by Byron, inc.

**Shipboard inspection by medical department personnel: Food serving** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard inspection by medical department personnel: Living and working spaces** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard inspection by medical department personnel: Water supply** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Atlas Film Corp.

**Shipboard pest control** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Depicto Films Corp.

#### —SEA LIFE

**Aircrewmen of the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Floating fortress** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**MD-USN** (*Motion picture*) U. S. Navy Dept., 1957. Made by Dynamic Films.

#### —SEARCH AND RESCUE OPERATIONS

**Helicopter rescue at sea** (*Motion picture*) U. S. Dept. of the Navy, 1959.

**Man overboard emergency drill** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Hal Reiff Studio. Released for public educational use through U. S. Office of Education, 1948.

#### —SONGS AND MUSIC

**Anchors aweigh** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

#### —SUPPLIES AND STORES

**Mobile supply support** (*Motion picture*) U. S. Dept. of the Navy, 1953.

**The Navy supply system** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Loucks and Norling Studios.

**Service to the fleet** (*Motion picture*) U. S. Dept. of the Navy, 1956.

#### —UNIFORMS

**Navy uniform** (*Motion picture*) U. S. Dept. of Defense, 1958. Made by Potomac Film Producers.

### U. S. NAVY. AIRBORNE EARLY WARNING SQUADRON 4

**Hurricane hunters** (*Motion picture*) U. S. Dept. of the Navy, 1956.

### U. S. NAVY. CIVIL ENGINEER CORPS

**Civil engineers of the Navy** (*Motion picture*) U. S. Dept of the Navy, 1959.

**Navy civil engineers** (*Motion picture*) U. S. Dept. of the Navy, 1951. Released for public educational use through U. S. Office of Education, 1952.

### U. S. NAVY. CONSTRUCTION BATTALIONS

**Seabee civilian** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Seabees can do plus** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Cascade Pictures.

**Seabees in the Antarctic: Base construction and equipment operation** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**The Seabees: They came to an island** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Pathescope Company of America.

### U. S. NAVY. DENTAL CORPS

**The Navy Dental Corps** (*Motion picture*) U. S. Navy Dept., 1960. Made by Roland Reed Productions.

### U. S. NAVY. SIXTH FLEET

**Sea power: The Sixth Fleet, force for peace** (*Motion picture*) U. S. Dept. of the Navy, 1958. Made by Reid H. Ray Film Industries.

**The Sixth Fleet** (*Motion picture*) U. S. Dept. of the Navy, 1953.

### U. S. NAVY. EIGHTH FLEET

**Prelude to victory** (*Motion picture*) U. S. Dept. of the Navy, 1946.

### U. S. NAVY. HOSPITAL CORPS

**Catheterizing the male patient** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

**Chain of asepsis** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by De Frenes & Co. Released for public educational use through U. S. Office of Education, 1946.

**Duties of a hospital corpsman** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

**Enemas** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

**The enemy bacteria** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1948.

**Independent duty for hospital corpsmen: Doc goes to sea** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Wilding Picture Productions.

**Intravenous administration of fluids** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

**The n. p. patient** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1952.

**Oral administration of medications** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

**Oral medications** (*Motion picture*) U. S. Dept. of the Navy, 1943. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1944.

**Postoperative care** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

**Preoperative care** (*Motion picture*) U. S. Navy Dept., 1959. Made by Willard Pictures.

**Surgical dressings** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Chicago Film Laboratory. Released for public educational use through U. S. Office of Education, 1946.

### U. S. NAVY. MEDICAL CORPS

**MD-USN** (*Motion picture*) U. S. Navy Dept., 1957. Made by Dynamic Films.

**The training of the submarine medical officer** (*Motion picture*) U. S. Navy Dept., 1960. Made by Depicto Films.

**What price Iwo** (*Motion picture*) U. S. Navy Dept., 1946. Made by Byron, inc.

### U. S. NAVY. NURSE CORPS

**The Navy nurse** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Wilding Picture Productions.

**Nursing service in the Navy: The Chief of Nursing Service** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.

**Nursing service in the Navy: The nursing service supervisor** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions.

**Nursing service in the Navy: The ward nurse** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by Audio Productions, inc.

### U. S. NAVY. POTOMAC RIVER NAVAL COMMAND

**Challenge in naval research** (*Motion picture*) U. S. Dept. of the Navy, 1957.

**Potomac River Naval Command** (*Motion picture*) U. S. Dept. of the Navy, 1957.

### U. S. NAVY. SUPPLY CORPS

**History of the U. S. Navy Supply Corps** (*Motion picture*) U. S. Dept. of the Navy, 1955. Made by Academy Productions.

**Sea power: Supply, the lifeblood of sea power** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### U. S. NAVY. TASK FORCE 43

**Operation Deepfreeze 1** (*Motion picture*) U. S. Dept. of the Navy, 1957.

### U.S. NAVY DEPT.

**You too are the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Princeton Film Center.

### U. S. OFFICER CANDIDATE SCHOOL, NEWPORT, R. I.

**Officer Candidate School** (*Motion picture*) U. S. Dept. of the Navy, 1958.

### U. S. PASSPORT OFFICE

**Passport issued** (*Motion picture*) U. S. Information Agency, 1957. Made by Tangent Films. Released for public educational use in the United States through U. S. Office of Education.

### U. S. PROVING GROUND, ABERDEEN, MD.

**Aberdeen proving ground** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1952.

**Report on Aberdeen Proving Ground** (*Motion picture*) U. S. Dept. of Defense, 1952. Made by U. S. Dept. of the Army.

### U. S. PUBLIC HEALTH SERVICE

**Capital story** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Public Health Service, 1947, and U. S. Office of Education, 1949.

**For the Nation's health** (*Motion picture*) U. S. Public Health Service, 1957.

**Service with distinction** (*Motion picture*) U. S. Public Health Service, [illegible].

### U. S. PUBLIC HEALTH SERVICE. DIVISION OF FOREIGN QUARANTINE

**Aircraft quarantine** (*Motion picture*) U. S. Public Health Service, 1947.

### U. S. QUARTERMASTER CORPS

**New mobile bakery equipment** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**QM operation in Europe** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Quartermaster at work** (*Motion picture*) U. S. Dept. of the Army, 1952.

### U. S. RURAL ELECTRIFICATION ADMINISTRATION

**The REA story** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

### U. S. SELECTIVE SERVICE SYSTEM

**Time to go** (*Motion picture*) U. S. Dept. of the Army, 1955.

### U. S. SOCIAL SECURITY ADMINISTRATION

**Looking ahead** (*Motion picture*) U. S. Social Security Administration, 1952. Produced by U. S. Dept. of Agriculture.

### U.S. SOIL CONSERVATION SERVICE

**Upstream where floods begin** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

### U. S. VETERANS ADMINISTRATION

**Day for decision** (*Motion picture*) U. S. Veterans Administration, 1953.

**Road to decision** (*Motion picture*) U. S. Veterans Administration, 1947.

**Road to reason** (*Motion picture*) U. S. Veterans Administration, 1951.

**Service to those who served** (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

U. S. VETERANS ADMINISTRATION (Continued)

**This is worth working for** (*Motion picture*) U. S. Veterans Administration, 1946. Made by U. S. Dept. of Agriculture.

U. S. VETERANS ADMINISTRATION HOSPITAL, DALLAS

**Hospital zone: Men at work** (*Filmstrip*) U. S. Veterans Administration, 1948.

U. S. VETERANS ADMINISTRATION HOSPITAL, MINNEAPOLIS

**Rehabilitation of chronic neurological cases** (*Motion picture*) U. S. Veterans Administration, 1947.

U. S. VETERANS ADMINISTRATION HOSPITAL, TUSKEGEE. ALA.

**Mind in the making** (*Motion picture*) U. S. Veterans Administration, 1946.

U. S. VINCENT AIR FORCE BASE, YUMA, ARIZ.

**Thunderbolt geometry** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

U. S. WEATHER BUREAU

**Fire weather** (*Motion picture*) U. S. Weather Bureau, 1936.

**Hurricane circuit** (*Motion picture*) U. S. Dept. of State, 1949. Made by Knickerbocker Productions. Released for educational use in the United States through U. S. Office of Education, 1950.

U. S. WHITE SANDS PROVING GROUND, N. M.

**Countdown at White Sands** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Prelude to IGY** (*Motion picture*) U. S. Dept. of the Army, 1960.

**Signals for missiles** (*Motion picture*) U. S. Dept. of the Army, 1958.

**They major in missiles** (*Motion picture*) U. S. Dept. of the Army, 1960.

**What goes up-----** (*Motion picture*) U. S. Dept. of the Army, 1960.

U. S. WRIGHT AIR DEVELOPMENT CENTER

**Aero medical research** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

UNITIZED CARGO SYSTEMS

**Packaging and packing: Methods of preservation, submethods IId, rigid metal container, sealed** (*Filmstrip*) U. S. Dept. of the Army, 1958.

UNIVERSAL MILITARY TRAINING see Military service, Compulsory

UNIVERSITIES AND COLLEGES

**Negro colleges in wartime** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

**Campus on the march** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES see California. University. University at Los Angeles

UNLOADING see Loading and unloading

URANIUM

**Gaseous diffusion** (*Motion picture*) U. S. Atomic Energy Commission, 1957. Made by U. S. Dept. of the Air Force.

**The Portsmouth story** (*Motion picture*) U. S. Atomic Energy Commission, 1958. Made by U. S. Dept. of the Air Force.

URANIUM ORES

**The petrified river: The story of uranium** (*Motion picture*) U. S. Bureau of Mines, 1956.

URBAN LIFE see City and town life

UREDINEAE see Rusts (Fungi)

URINALYSIS see Urine—Analysis and pathology

URINARY ORGANS

see also Bladder; Genito-urinary organs

**Anatomy and physiology: The urinary system** (*Filmstrip*) U. S. Dept. of the Army, 1956.

URINE

—ANALYSIS AND PATHOLOGY

**Bence-Jones protein test** (*Motion picture*) U. S. Veterans Administration, 1957.

—SECRETION

**Uretero-ileo-urethral anastomosis—a bladder substitute** (*Motion picture*) U. S. Veterans Administration, 1959.

USEFUL ARTS see Technology

UTERUS

—CANCER

**Uterine cancer: The problem of early diagnosis** (*Motion picture*) National Cancer Institute of the U. S. Public Health Service and American Cancer Society, 1951. Made by Audio Productions.

—EXCISION see Hysterectomy

## V

V-2 ROCKET

**V-2 rocket: Assembling and launching** (*Motion picture*) U. S. Dept. of Defense, 1948.

VACCINATION

see also Immunity

**Defense against invasion** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Defesa contra invasão** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Smallpox vaccination** (*Filmstrip*) U. S. Dept. of the Army, 1947.

**Vaccinate against smallpox** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**La vacuna; o, Defensa contra la invasión** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Variola** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**La viruela** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

VACUUM-TUBE OSCILLATORS see Oscillators, Vacuum-tube

VACUUM-TUBES

see also Amplifiers, Vacuum-tube; Cathode ray tubes; Diodes; Electric discharges through gases; Electronics; Geiger-Müller counters; Klystrons; Magnetrons; Oscillators, Vacuum-tube; Triodes; X-rays

**Basic electronics** (*Motion picture*) U. S. Dept. of the Air Force in cooperation with Minneapolis-Honeywell Regulator Co., 1948. Made by Walt Disney Productions. Released for public educational use through U. S. Office of Education, 1948.

**Special purpose vacuum tubes** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

**The triode: Amplification** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**The triode: Amplification** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Vacuum tubes** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1944.

**Vacuum tubes: Electron theory and the diode tube** (*Motion picture*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

—TESTING

**Tube tester operation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

VALUATION OF LAND see Farms—Valuation

VALVE-GEARS see Steam-engines—Valve-gears

VALVES

**Adjusting valves** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1948.

**Air start check valve, cylinder relief valve, and indicator cock** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Calvin Co. Released for public educational use throu[illegible] S. Office of Education, 1948.

**Benchw[illegible] art 2** (*Motion picture*) U. S. Dept. of the Navy, [illegible]45. Made by Escar Motion Picture Service. Released for public educational use through U. S. Office of Education, 1948.

**Checking valves** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Cylinder and piston assemblies** (*Filmstrip*) U. S. Army Air Forces, 1942. Released for public educational use through U. S. Office of Education, 1944.

**Directional valves** (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Inspecting and reconditioning valve assembly** (*Motion picture*) U. S. Office of Education, 1945. Made by Audio Productions.

**Inspecting and reconditioning valve assembly** (*Filmstrip*) U. S. Office of Education, 1945. Made by Audio Productions.

**Installation of cylinder head** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Jam Handy Organization. Released for public educational use through U. S. Office of Education, 1948.

**Installing valves and strainer on sea chest** (*Motion picture*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Installing valves and strainer on sea chest** (*Filmstrip*) U. S. Office of Education, 1944. Made by R. C. M. Productions.

**Installing valves in engine room systems, part 1** (*Motion picture*) U. S. Office of Education, 1945. Made by Gene K. Walker.

**Installing valves in engine room systems, part 1** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

**Installing valves in engine room systems, part 2** (*Filmstrip*) U. S. Office of Education, 1945. Made by Gene K. Walker.

**Introduction to valves** (*Filmstrip*) U. S. Navy Dept., 1944. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**Methods of operating valves** (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational purposes through U. S. Civil Aeronautics Administration, 1946.

**Simple valves** (*Filmstrip*) U. S. Navy Dept., 1945. Made by Sarra, inc. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

VANGUARD PROJECT see Project Vanguard

VAPOR TRAILS see Condensation trails

VARICOCELE

**Operation for varicocele** (*Motion picture*) U. S. Dept. of the Army, 1947.

VARIETY SAWS

**Beveling, mitering, rabbeting, and dadoing** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Beveling, mitering, rabbeting, and dadoing** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Biseau, onglet, feuillure, et entaille** (*Motion picture*) U. S. Office of Education, 1951.

**Coupe de tenons et de segments** (*Motion picture*) U. S. Office of Education, 1951.

**Cutting cove molding and a corebox** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Cutting cove molding and a corebox** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Cutting tenons and segments** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Cutting tenons and segments** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Ripping and cross-cutting** (*Motion picture*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Ripping and cross-cutting** (*Filmstrip*) U. S. Office of Education, 1945. Made by R. C. M. Productions.

**Sciage d'une gorge et d'une boîte à noyaux** (*Motion picture*) U. S. Office of Education, 1951.

**Sciage sur le long et sciage sur le travers** (*Motion picture*) U. S. Office of Education, 1951.

VARIOLA see Smallpox

VASCULAR SYSTEM see Blood-vessels

VECTOR ANALYSIS

**The E–6B computer: Solution of wind triangles** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1948.

**An introduction to vectors: Coplanar concurrent forces** (*Motion picture*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**An introduction to vectors: Coplanar concurrent forces** (*Filmstrip*) U. S. Office of Education, 1945. Made by Loucks and Norling Studios.

**Vectors** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

VEGETABLE GARDENING

see also Gardening; Vegetables

**A backyard vegetable garden** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**Better eating** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Made by Apex Film Corp.

**La hortaliza en casa** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.

**Hortas** (*Motion picture*) U. S. Institute of Inter-American Affairs, 1947. Produced by Apex Film Corp.

**Nutriculture: Vegetable growing** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Planning the home vegetable garden** (*Filmstrip*) U. S. Dept. of Agriculture, 1951.

**Special techniques for the home gardener** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

**Summer care and harvesting in the home garden** (*Filmstrip*) U. S. Dept. of Agriculture, 1952.

VEGETABLE MOLD see Soils

VEGETABLE OILS see Oils and fats

VEGETABLES

see also Cookery (Vegetables)

**Selection of fruits and vegetables** (*Motion picture*) U. S. Dept. of Agriculture, 1951.

—DISEASES AND PESTS

**Beltsville newsreel, no. 2** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

**Insect pests of garden vegetables and their control** (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

—PRESERVATION

**Maintaining garden freshness in fruits and vegetables** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

VEGETABLES, FROZEN

**Freezing broccoli and corn-on-the-cob** (*Filmstrip*) U. S. Dept. of Agriculture, 1953.

VEHICLES, MILITARY

see also Automobiles, Military; Motor vehicles, Amphibious; Tanks (Military science)

**Automotive electricity for military vehicles. Part 3: Principles of the starting motor** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Maintenance and management of USAF vehicles** (*Motion picture*) U. S. Dept. of the Air Force, 1959.

VEINS

see also Arteries; Blood—Circulation; Blood-vessels

—PUNCTURE

**Serological technique: Venipuncture** (*Motion picture*) U. S. Dept. of the Navy, 1954.

VENEREAL DISEASES

see also Gonorrhea

**VD—Stopping the spread** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Jam Handy Organization.

**VD—Taking chances** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Herbert Kerkow, inc.

**Venereal disease and tuberculosis survey in Georgia** (*Filmstrip*) U. S. Public Health Service, 1948.

—DIAGNOSIS

**VDRL slide qualitative test with serum** (*Motion picture*) U. S. Dept. of the Navy, 1957.

VENOM

—PHYSIOLOGICAL EFFECT

**Snake bite kit, suction, in plastic carrying case** (*Filmstrip*) U. S. Dept. of the Army, 1954.

VERA CRUZ, MEXICO (STATE)

**Treasure trove of jade** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of National Geographic Society, 1942. Re-released for educational use in the United States through U. S. Office of Education, 1949.

**Vera Cruz** (*Motion picture*) U. S. Coordinator of Inter-American Affairs with the cooperation of Tourist Department of Mexico and Mexican Tourist Bureau, 1943. Released for educational use in the United States through U. S. Office of Education, 1949.

VERMIN see Household pests; Pests

VERTEBRAL COLUMN see Spine

VERTICALLY RISING AEROPLANES

see also Convertiplanes

**Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight, including studies of various tethered landing techniques** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

**Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

**Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings, and hovering flight** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1952.

**Dynamic stability and control characteristics of a ducted-fan model in hovering flight** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1954.

**Effects of wing position and vertical-tail configuration on stability and control characteristics of a jet-powered delta-wing vertically rising airplane model** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**Flight investigation of the stability and control characteristics of a vertically rising airplane research model with swept or unswept wings and x- or + -tails** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**Flight tests of a delta-wing vertically rising airplane model powered by a ducted fan** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1955.

**Hovering-flight tests of a model of a transport vertical-take-off airplane with tilting wing and propellers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

**Transition-flight investigation of a four-engine-transport vertical-take-off airplane model utilizing a large flap and extensible vanes for redirecting the propeller slipstream** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1957.

**Transition-flight tests of a model of a low-wing transport vertical-take-off airplane with tilting wing and propellers** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1956.

VETCH

**Strip cropping for wind erosion control and vetch in corn for soil improvement** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

VETERANS

**Planning for the patient's discharge** (*Motion picture*) U. S. Veterans Administration, 1956.

**Service to those who served** (*Motion picture*) U. S. Veterans Administration, 1951. Made by U. S. Dept. of Agriculture.

—EMPLOYMENT

**Is farming for me?** (*Filmstrip*) U. S. Dept. of Agriculture, 1945.

**The veteran becomes a farmer** (*Motion picture*) U. S. Office of Education, 1946. Produced by W. A. Palmer & Co.

VETERANS, DISABLED

—REHABILITATION

**Assignment home** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Universal Pictures Co. Released for public educational use through U. S. Office of Education. 1948.

**Day for decision** (*Motion picture*) U. S. Veterans Administration, 1953.

**Living with limitations** (*Motion picture*) U. S. Veterans Administration, 1949. Made by U. S. Dept. of Agriculture.

**Multiple wounds, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Rehabilitation of chronic neurological cases** (*Motion picture*) U. S. Veterans Administration, 1947.

**Rehabilitation: Voyage to recovery** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Roland Reed Productions. Released for public educational use through U. S. Office of Education, 1948.

**To hear again** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

**What's my score?** (*Motion picture*) U. S. Veterans Administration, 1947. Made by U. S. Dept. of Agriculture.

**You can hear again** (*Motion picture*) U. S. Veterans Administration, 1949.

—VOCATIONAL REHABILITATION

**Road to decision** (*Motion picture*) U. S. Veterans Administration, 1947.

VETERANS DAY

**I & E screen magazine, no. 575** (*Motion picture*) U. S. Dept. of Defense, 1959.

VETERANS' HOSPITALS see Hospitals, Military

VETERINARIANS

**The Federal veterinarian in agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

VETERINARY MEDICINE

see also Communicable diseases in animals; Hog cholera; Quarantine, Veterinary

**Brazilian trainees visit land grant colleges** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**The Federal veterinarian in agriculture** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

—RESEARCH

**Plum Island Animal Disease Laboratory** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

VETERINARY PHYSIOLOGY

**General adaptation syndrome** (*Motion picture*) U. S. Dept. of the Army, 1951.

VETERINARY QUARANTINE see Quarantine, Veterinary

VIBRATION

see also Waves

**Ground vibration tests of the XH-17 dynamic helicopter model** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1950.

**Helicopter: Vibrations and resonance. Part 1: Vibrations in the H-13** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter: Vibrations and resonance. Part 2: Vibrations in the H-19** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter: Vibrations and resonance. Part 3: Vibrations in the H-21** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Helicopter: Vibrations and resonance. Part 4: Ground resonance** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Vibration problems in the design of shipboard electronic equipment** (*Motion picture*) U. S. Dept. of the Navy, 1956.

VIBRATION (MARINE ENGINEERING)

**Shipboard vibrations. Part 1: Fundamental principles of vibrating systems** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

**Shipboard vibrations. Part 2: Multi-mass systems** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

**Shipboard vibrations. Part 3: Vibration, excitation, and response** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

**Shipboard vibrations. Part 4: Service problems and field investigation** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by De Frenes Co. Released for public educational use through U. S. Office of Education.

VINCENT AIR FORCE BASE see U. S. Vincent Air Force Base, Yuma, Ariz.

VIRGINIA. MILITARY INSTITUTE, LEXINGTON

**Marshall day at VMI, 1951** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

VIRUS RESEARCH

**Embryonated egg techniques for virus studies** (*Filmstrip*) U. S. Public Health Service, 1955.

VIRUSES

**Chick embryo techniques** (*Motion picture*) U. S. Public Health Services, 1951.

**Collecting specimens for virus diagnosis** (*Filmstrip*) U. S. Public Health Service, 1956.

VISAS see Passports

VISIBLE SPEECH see Deaf—Means of communication

VISION

see also Color-sense; Eye

**Night vision for airmen** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1948.

VISITS OF STATE

**Peace and friendship in freedom: President Eisenhower's 11-nation tour** (*Motion picture*) U. S. Information Agency, 1960. Made by Fox-Movietone. Released for public educational use in the United States through U. S. Office of Education, 1960.

**President Eisenhower's visit to South America** (*Motion picture*) U. S. Information Agency, 1960. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1960.

VISUAL EDUCATION

see also Moving-pictures in industry

**Effective use of visuals in agriculture** (*Filmstrip*) U. S. Dept. of Agriculture, 1955.

**Film tactics** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Harry Joe Brown. Released for public educational use through U. S. Office of Education, 1947.

**Learning about farm jobs from pictures** (*Filmstrip*) U. S. Dept. of Agriculture, 1944.

**Training aids: Classroom utilization** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

**Training aids: .Selection and planning** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by De Frenes. Released for public educational use through U. S. Office of Education, 1951.

**Training aids: Slides, large drawings, and transparencies** (*Motion picture*) U. S. Dept. of the Navy, 1951. Made by Herbert Kerkow. Released for public educational use through U. S. Office of Education, 1952.

**Using visual aids in training** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

VITAMINS

**Let's have more vitamin A and C foods in school lunches** (*Filmstrip*) U. S. Dept. of Agriculture, 1954.

VOCABULARY

**Practical English usage I, lecture 16: Dressing up sentences; vocabulary** (*Motion picture*) U. S. Dept. of Defense, 1956.

VOCATIONAL EDUCATION

see also Blind—Education; Deaf—Education; Employees, Training of; Technical education

**Junior college for technical trades** (*Motion picture*) U. S. Dept. of State, 1950. Made by Apex Film Corp. Released for educational use in the United States through U. S. Office of Education, 1950.

**Trade training in the Navy** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

VOCATIONAL GUIDANCE

see also Agriculture as a profession; Counseling

**Prepare thru education** (*Motion picture*) U. S. Dept. of the Army, 1955.

VOCATIONAL REHABILITATION

see also Blind—Employment; Veterans, Disabled—Vocational rehabilitation

**America's untapped asset** (*Motion picture*) U. S. President's Committee on Employment of the Physically Handicapped, 1953.

**Employees only** (*Motion picture*) President's Committee on Employment of the Physically Handicapped, 1958. Made by La Brea Productions.

**Employing disabled workers in industry** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

**Establishing working relations for the disabled worker** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

**Instructing the disabled worker on the job** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Office of Vocational Rehabilitation, 1946. Made by Caravel Films.

**An investment in human welfare** (*Motion picture*) U. S. Office of Vocational Rehabilitation, 1951. Made by Unifilms.

VOLTAIC CELL see Electric batteries

VOLTMETER

**Volt ohmmeter operation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Burton Holmes Films. Released for public educational use through U. S. Office of Education, 1947.

VOYAGES AND TRAVELS

**Vice-President Nixon, ambassador of friendship** (*Motion picture*) U. S. Information Agency, 1954. Made by Hearst Metrotone News. Released for public educational use in the United States through U. S. Office of Education, 1954.

## W

W H O see World Health Organization

WAGONS, ARMY see Vehicles, Military

WAITERS

**Serving food** (*Motion picture*) U. S. Public Health Service, 1954.

WAKEFIELD (TRANSPORT SHIP)

**Story of a transport** (*Motion picture*) U. S. Coast Guard, 1945.

WAKEFULNESS see Insomnia

WALTER REED ARMY MEDICAL CENTER see U. S. Army. Walter Reed Army Medical Center

WALTER REED HOSPITAL, WASHINGTON, D. C. see U. S. Army. Walter Reed Army Hospital, Washington, D. C.

WAR

see also Chemical warfare; Military art and science; Military law; Munitions; Naval art and science; Peace; Psychological warfare; Soldiers; Strategy; Submarine warfare; Tactics

—RELIEF OF SICK AND WOUNDED

see also Hospitals, Military; Medicine, Military; Medicine, Naval

**Evacuation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Evacuation of casualties [at] Saipan** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Evacuation of the wounded** (*Motion picture*) U. S. War Dept., 1944.

**Medical support in ship to shore operations** (*Motion picture*) U. S. Navy Dept., 1944.

**Medicine hits the beach** (*Motion picture*) U. S. Navy Dept., 1944. Made by Byron, inc.

**Military surgeon in amphibious assault** (*Motion picture*) U. S. Dept. of the Navy, 1952. Made by Princeton Film Center.

WAR

—RELIEF OF SICK AND WOUNDED (Continued)

**Transportation and evacuation of casualties in a Marine division** (*Motion picture*) U. S. Dept. of the Navy, 1952.

**Transportation of casualties** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

WAR, PRISONERS OF see Prisoners of war

WAR CONTRACTS see Defense contracts

WAR CRIME TRIALS

—NUREMBERG, 1945-1946 see Nuremberg Trial of Major German War Criminals, 1945-1946

WAR DAMAGE, INDUSTRIAL

see also Factories—Protection

**It's your decision** (*Motion picture*) U. S. Dept. of the Air Force, 1956.

WAR GAMES

**Beachhead secured** (*Motion picture*) U. S. Dept. of the Navy, 1950.

**Operation Portrex** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

WAR OF 1812 see U.S.—History—War of 1812

WAR OF NERVES see Psychological warfare

WAR OF SECESSION (U.S.) see U.S. —History—Civil War

WARBLE-FLIES

**Cattle grubs or heel flies** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

WAREHOUSES

**Prevention of pilferage. Part 1: Depots and warehouses** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Warehousing series. Part 1: Storage procedures** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Warehousing series. Part 2: Aisle arrangement** (*Motion picture*) U. S. Dept. of the Army, 1958.

WARFARE, SUBMARINE see Submarine warfare

WARSHIPS

—DAMAGE CONTROL see Damage control (Warships)

WART-HOG DISEASE see African swine fever

WASHING see Laundry

WASHINGTON, GEORGE, PRES. U.S., 1732-1799

**George Washington, the farmer** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission, 1932.

**On the trail of George Washington** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of U. S. George Washington Bicentennial Commission and U. S. National Park Service, 1932.

WASHINGTON (STATE)

**Northwest U. S. A.** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

**Washington and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Richfield Oil Corp., 1952.

WASHINGTON, D. C.

**Headquarters U. S. A.** (*Motion picture*) U. S. Dept. of Defense, 1955. Made by U. S. Dept. of the Army.

—DEFENSES

**Army's Nike guards Nation's Capital** (*Motion picture*) U. S. Dept. of Defense, 1955.

**Nike for the defense of your community** (*Motion picture*) U. S. Dept. of the Army, 1956.

WASHINGTON, D. C. ISLAMIC CENTER

**The Washington mosque** (*Motion picture*) U. S. Information Agency, 1957. Made by Craven Film Corp. Released for public educational use in the United States through U. S. Office of Education, 1958.

WASTE, DISPOSAL OF see Refuse and refuse disposal; Sewage disposal

WASTE RECLAMATION see Salvage (Waste, etc.)

WATCHMEN

**Civilian guard services** (*Motion picture*) U. S. Dept. of the Army, 1959.

WATER

see also Erosion; Feed-water; Floods; Fog; Hydraulic engineering; Hydrotherapy; Ice; Ocean; Rain and rainfall; Sea-water; Steam; Waves; Wells

**Water** (*Motion picture*) U. S. Dept. of Agriculture, 1948.

—ANALYSIS

**The membrane filter** (*Filmstrip*) U. S. Public Health Service, 1959.

**Sampling and testing drinking water** (*Filmstrip*) U. S. Public Health Service, 1950.

—FLOW see Hydraulics

—POLLUTION

see also Refuse and refuse disposal; Sewage disposal

**Agua, amiga o enemiga** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**A água: nosso amigo ou inimigo** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Clean water makes good health** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**George Washington's river** (*Motion picture*) U. S. Public Health Service, 1959.

**Water, friend or enemy** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

—PURIFICATION

see also Filters and filtration; Hypochlorinators; Water-supply engineering

**Agua, amiga o enemiga** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**A água: nosso amigo ou inimigo** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Filtration plants** (*Filmstrip*) U. S. Public Health Service, 1953.

**A large water treatment plant** (*Filmstrip*) U. S. Public Health Service, 1954.

**Purification of water** (*Motion picture*) U. S. Dept. of the Army, 1955.

**Water, friend or enemy** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Walt Disney Productions. Re-released by U. S. Institute of Inter-American Affairs, 1946.

**Water purification: Diatomite filter system, installation, operation, and maintenance** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

**Water purification, introduction** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

**Water purification: Vapor compression distillation** (*Motion picture*) U. S. Dept. of the Navy, 1953. Made by Cascade Pictures of California. Released for public educational use through U. S. Office of Education, 1954.

—THERAPEUTIC USE see Hydrotherapy

WATER-BIRDS

**Behind the flyways** (*Motion picture*) U. S. Fish and Wildlife Service, 1951.

WATER CONSERVATION

**Corralling the Colorado** (*Motion picture*) U. S. Bureau of Reclamation, 1951.

**Grass: The big story** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

**Harvesting native grass seed** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Lost river** (*Motion picture*) U. S. Bureau of Reclamation, 1952. Made by U. S. Dept. of Agriculture.

**Raindrops and soil erosion** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Soil and water conservation by the beaver** (*Filmstrip*) U. S. Dept. of Agriculture, 1938.

WATER-CURE see Hydrotherapy

WATER-FLIES see Flies

WATER-PIPES

**Big pipe maneuver** (*Motion picture*) U. S. Army Engineers, 1951.

WATER RESOURCES DEVELOPMENT

see also Flood control; Irrigation

**Magnetic waters** (*Motion picture*) U. S. Army Engineers, 1957.

WATER SPORTS see Aquatic sports

WATER-STORAGE

see also Reservoirs

**Beltsville newsreel, no. 16** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

WATER-SUPPLY

see also Filters and filtration; Forest influences; Forests and forestry; Reservoirs; Wells

**The dug well: Sanitary aspects** (*Filmstrip*) U. S. Public Health Service, 1954.

**Lifeblood of the land** (*Motion picture*) U. S. Dept. of Agriculture, 1947.

**Mountain water** (*Motion picture*) U. S. Dept. of Agriculture, 1950.

**Planning for plenty** (*Motion picture*) U. S. Dept. of State, 1952. Made by Cascade Films. Released for public educational use in the United States through U. S. Office of Education, 1953.

**Snow harvest** (*Motion picture*) U. S. Dept. of Agriculture, 1946.

**Water for farm and city** (*Motion picture*) U. S. Dept. of Agriculture, 1959.

**Water for Fort Hood** (*Motion picture*) U. S. Army Engineers, 1956.

**Water for the West** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Waters of Coweeta** (*Motion picture*) U. S. Dept. of Agriculture, 1953.

WATER-SUPPLY ENGINEERING

see also Hydraulic engineering

**Big pipe maneuver** (*Motion picture*) U. S. Army Engineers, 1951.

**Farm water systems** (*Filmstrip*) U. S. Dept. of Agriculture, 1956.

WATER TANKS see Tanks

WATER TRANSPORTATION see Shipping

WATER TRANSPORTATION, COASTAL see Coastwise shipping

WATER-TUBE BOILERS see Steam-boilers, Water-tube

WATERPROOFING

see also Corrosion and anti-corrosives

**Packaging and packing: Methods of preservation (includes IA methods)** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Methods of preservation, method IC, waterproof barrier (with preservative as required)** (*Filmstrip*) U. S. Dept. of the Army, 1958.

**Packaging and packing: Methods of preservation, submethod IA–2, container, overwrap, dipcoat sealed** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, submethod IIb, container, barrier, container** (*Filmstrip*) U. S. Dept. of the Army, 1959.

**Packaging and packing: Methods of preservation, submethod IIc, cushioned item, bag** (*Filmstrip*) U. S. Dept. of the Army, 1959.

WATERSHEDS

**From the ridge to the river** (*Motion picture*) U. S. Dept. of Agriculture, 1955.

**Is your watershed safe?** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

WATERWORKS see Water-supply

WAVES

see also Electric waves; Turbulence

**Problem at Port Washington** (*Motion picture*) U. S. Army Engineers, 1951.

WEAPONS see Arms and armor; Firearms

WEAPONS, ATOMIC see Atomic weapons

WEATHER

see also Atmospheric pressure; Meteorology; Rain and rainfall; Snow; Storms; Winds

**Weather map symbols** (*Filmstrip*) U. S. Navy Dept., 1944. Released for public educational use through U. S. Civil Aeronautics Administration, 1946.

WEATHER FORECASTING

see also Meteorology in aeronautics

**Clouds** (*Motion picture*) U. S. Weather Bureau, 1939.

**Clouds and weather** (*Motion picture*) U. S. Weather Bureau, 1939.

**Eyes of the storm** (*Motion picture*) U. S. Dept. of the Air Force, 1949.

**Fire weather** (*Motion picture*) U. S. Weather Bureau, 1936.

**Flood weather** (*Motion picture*) U. S. Weather Bureau, 1937.

**Weather duties** (*Motion picture*) U. S. Coast Guard, 1947. Made by Lamont-Clemens. Released for public educational use through U. S. Office of Education, 1950.

**Weather: Friend or foe** (*Motion picture*) U. S. Dept. of Defense, 1951. Made by U. S. Dept. of the Army.

**Weathermen of the sea** (*Motion picture*) U. S. Coast Guard, 1950.

WEED CONTROL

see also Herbicides

**Weed control on irrigation systems** (*Motion picture*) U. S. Bureau of Reclamation, 1952.

WEIGHTS AND MEASURES

see also Balance; Electric measurements; Gages; Gravity; Measuring instruments; Specific gravity; Standards of mass

**Assignment: Weights and measures** (*Motion picture*) National Conference on Weights and Measures in cooperation with the U. S. National Bureau of Standards, 1957. Released by U. S. National Bureau of Standards.

**A true standards** (*Motion picture*) U. S. National Bureau of Standards, 1954.

WELDING

see also Electric welding; Oxyacetylene welding and cutting; Solder and soldering

**Forge welding** (*Motion picture*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Forge welding** (*Filmstrip*) U. S. Office of Education, 1945. Made by Woodard Productions.

**Simple foundation. Part 3: Assembly and installation** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education. 1948.

**Vertical welds, steel** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

**Welding aluminum tubes with sheets** (*Filmstrip*) U. S. Dept. of the Navy, 1942. Released for public educational use through U. S. Office of Education, 1947.

—SAFETY MEASURES

**Safety for welders** (*Motion picture*) U. S. Navy Dept., 1944. Made by Caravel Films. Released for public educational use through U. S. Office of Education, 1947.

WELFARE FEDERATIONS see Federations, Financial (Social service)

WELL-BORING see Boring

WELLS

see also Water-supply

**The drilled well: Sanitary aspects** (*Filmstrip*) U. S. Public Health Service, 1954.

**The dug well: Sanitary aspects** (*Filmstrip*) U. S. Public Health Service, 1954.

**Operating a mobile well boring rig** (*Motion picture*) U. S. Public Health Service, 1953.

WEST POINT, N. Y. MILITARY ACADEMY see U. S. Military Academy, West Point

WEST VIRGINIA

**West Virginia and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Weirton Steel Co., 1951.

WESTCHESTER COUNTY, N.Y.

**County government** (*Motion picture*) U. S. Dept. of State, 1949. Made by Pictorial Research. Released for educational use in the United States through U. S. Office of Education, 1950.

WESTON, EDWARD, 1886-

**The photographer** (*Motion picture*) U. S. Dept. of State, 1948. Made by Affiliated Film Producers. Released for educational use in the United States through U. S. Office of Education, 1950.

WHEAT

**Wheat kernel classes and varieties** (*Filmstrip*) U. S. Dept. of Agriculture, 1950.

WHITE ANTS see Termites

WHITE DIARRHEA see Pullorum disease

WHITE PINE

**Eastern white pine** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

—DISEASES AND PESTS

**Eastern white pine** (*Motion picture*) U. S. Dept. of Agriculture, 1960.

WHITE SANDS PROVING GROUND, N. M. see U. S. White Sands Proving Ground, N. M.

WHITNEY DAM (Projected)

**A silent servant, Whitney Dam** (*Motion picture*) U. S. Army Engineers, 1956.

WHOOPING CRANES

**The whooping crane** (*Motion picture*) U. S. Fish and Wildlife Service, 1958.

WILD LIFE, CONSERVATION OF

see also Birds, Protection of; Forests and forestry; Game protection; National parks and reserves; Natural resources

**A heritage we guard** (*Motion picture*) U. S. Dept. of Agriculture, 1940.

**Realm of the wild** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

**Soil conservation benefits wildlife** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**Wildlife and soil conservation** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Wildlife and the human touch** (*Motion picture*) U. S. Dept. of Agriculture, 1952.

**Wildlife and timber** (*Motion picture*) U. S. Dept. of Agriculture, 1957.

**Wildlife management through soil conservation in the northeast** (*Filmstrip*) U. S. Dept. of Agriculture, 1939.

**The woodcock** (*Motion picture*) U. S. Fish and Wildlife Service, 1953.

WILLAMETTE RIVER

**The Columbia: River of planned destiny** (*Motion picture*) U. S. Army Engineers, 1960. Made by Don Horter Productions.

WIND EROSION

**Developing pastures establishing alfalfa under wind erosion hazard** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Economic problems** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Planting grasses** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Range grazing practices** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Stubble mulch farming** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Tillage practices** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Preventing wind erosion on the Great Plains: Tree windbreaks** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Strip cropping for wind erosion control and vetch in corn for soil improvement** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Wind erosion control through tillage and ridge planting** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Wind erosion control under irrigation** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

**Winter cover crops and crop residues for wind erosion control** (*Filmstrip*) U. S. Dept. of Agriculture, 1958.

WIND TUNNELS

see also Aerodynamics

**Aerodynamics: Forces acting on an air foil** (*Motion picture*) U. S. Army Air Forces, 1941. Released for public educational use through U. S. Office of Education, 1943.

**Investigations of dynamic stability and controllability in the Langley free-flight tunnel** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1951.

**The NACA free-spinning wind tunnel** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1936.

WIND TUNNELS (Continued)

**Wind-tunnel investigation at low speeds of flight characteristics of a sweptback-wing jet-transport airplane model equipped with an external-flow jet-augmented slotted flap** (*Motion picture*) U. S. National Advisory Committee for Aeronautics, 1958.

WINDLASSES

**Winches and booms** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

WINDPIPE see Trachea

WINDS

see also Cyclones; Hurricanes; Jet stream; Storms; Tornadoes

**Wind and the navigator: Pre-flight planning** (*Motion picture*) U. S. Dept. of the Air Force, 1957.

**Wind and the navigator: Wind theory** (*Moton picture*) U. S. Dept. of the Air Force, 1957.

WINGS (AEROPLANES) see Aeroplanes—Wings

WINTER SPORTS

see also Skis and skiing; Snowshoes and snowshoeing

**Armed Forces screen magazine, no. 508** (*Motion picture*) U. S. Dept. of Defense, 1953.

WINTER WARFARE

see also Transportation, Military —Cold weather conditions

**Arctic indoctrination school, winter 1950** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Cold logic** (*Motion picture*) U. S. Marine Corps, 1955. Made by U. S. Dept. of the Navy.

**Combat in deep snow and extreme cold** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Exercise Yukon** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1950.

**Greenland 1957** (*Motion picture*) U. S. Army Engineers, 1957.

**Navy Sierra s[illegible] tests** (*Motion picture*) U. S. Dept. of the Navy, 195[illegible] Released for public educational use through U. S. Office of Education, 1953.

WIRE ROPE

see also Cables

**Safe practices in the hoisting of material** (*Filmstrip*) U. S. Army Air Forces, 1944. Released for public educational use through U. S Civil Aeronautics Administration, 1948.

**Use and care of wire rope** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

**Wire rope terminal connections** (*Motion picture*) U. S. Dept. of the Navy, 1944. Released for public educational use through U. S. Office of Education, 1948.

WIRE-ROPE TRANSPORTATION

**Aerial tramway** (*Motion picture*) U. S. Dept. of the Army, 1951.

WIRING, ELECTRIC see Electric wiring

WISCONSIN (BATTLESHIP)

**Armed Forces screen magazine, no. 502** (*Motion picture*) U. S. Dept. of Defense, 1952. Released for public educational use through U. S. Office of Education, 1952.

WITNESSES

**Suspects and witnesses. Part 1: Basic interviews** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Suspects and witnesses. Part 2: Complainants and hostile witnesses** (*Motion picture*) U. S. Dept. of the Army, 1957.

WOMAN

—EMPLOYMENT

**Supervising women workers** (*Motion picture*) U. S. Office of Education, 1944. Made by Herbert Kerkow.

—HEALTH AND HYGIENE

see also Physical education for women

**Strictly personal** (*Motion picture*) U. S. War Dept., 1945.

—SOCIETIES AND CLUBS

**Rural women** (*Motion picture*) U. S. Dept. of State, 1951. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education, 1954.

WOMB see Uterus

WOMEN AS FARMERS see Women in agriculture

WOMEN AS SOLDIERS

**No greater heritage** (*Motion picture*) U. S. Dept. of the Army, 1951.

WOMEN IN AGRICULTURE

**Rural women** (*Motion picture*) U. S. Dept. of State, 1951. Made by International Film Foundation. Released for public educational use in the United States through U. S. Office of Education, 1954.

WOMEN IN INDUSTRY see Woman—Employment

WOMEN IN JAPAN

**Bent with the years** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

WOMEN IN THE ARMED FORCES see U. S.—Armed Forces—Women

WOMEN IN THE U.S.

**The price of liberty** (*Motion picture*) U. S. Dept. of Defense, 1954. Made by U. S. Dept. of the Army.

WOMEN MARINES see U. S. Marine Corps —Women marines

WOMEN'S ARMY CORPS see U. S. Army. Women's Army Corps

WOMEN'S CLUBS see Woman—Societies and clubs

WOOD

see also Plywood; Timber

—PRESERVATION

**Longer life for wood: The role of preservatives in protecting wood** (*Motion picture*) U. S. Dept. of Agriculture, 1954.

**Wood preservation: Control of wood destroying organisms** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.

**Wood preservation: Inspection for wood destroying organisms** (*Motion picture*) U. S. Dept. of the Navy, 1956. Made by Herbert Kerkow, inc.

WOOD-LOTS

**The farm and the farm woods** (*Filmstrip*) U. S. Dept. of Agriculture, 1942.

**Farm forestry extension in the United States** (*Filmstrip*) U. S. Dept. of Agriculture, 1936.

**Farm forestry in the south** (*Filmstrip*) U. S. Dept. of Agriculture, 1937.

**Timber growing today** (*Motion picture*) U. S. Tennessee Valley Authority, 1947. Made by Southern Educational Film Production Service.

WOODCOCK

**The woodcock** (*Motion picture*) U. S. Fish and Wildlife Service, 1953.

WOODWORK

see also Joinery; Plywood

**Building a box beam spar** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Building a box beam spar** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Building a wooden rib** (*Motion picture*) U. S. Office of Education, 1944. Produced by Bray Studios.

**Building a wooden rib** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Laying out and forming plywood** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Laying out and forming plywood** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Repairing a wooden rib** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Repairing a wooden rib** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organizztion.

**Splicing a wooden spar** (*Motion picture*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Splicing a wooden spar** (*Filmstrip*) U. S. Office of Education, 1945. Made by Jam Handy Organization.

**Wing assembly: The bow tip** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The bow tip** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The inboard panel** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The inboard panel** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The nose section** (*Motion picture*) U. S. Office of Education, 1944. Made by Bray Studios.

**Wing assembly: The nose section** (*Filmstrip*) U. S. Office of Education, 1944. Made by Bray Studios.

WOODWORKING MACHINERY

see also Sawmills

**Carbide woodworking tools: Care and grinding** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures.

**Carbide woodworking tools: How to use** (*Motion picture*) U. S. Dept. of the Navy, 1954. Made by All Scope Pictures, inc.

WOOL

**Beltsville newsreel, no. 13** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

**Beltsville newsreel, no. 16** (*Motion picture*) U. S. Dept. of Agriculture, 1958.

WOOL TRADE AND INDUSTRY

**Cooperative wool: From fleece to fabric** (*Motion picture*) U. S. Dept. of Agriculture, 1941.

WORK, METHOD OF

**Finding minutes** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of New Jersey Extension Service, 1943.

**Measuring home management** (*Filmstrip*) U. S. Dept. of Agriculture in cooperation with Michigan State College, 1950.

**Planning and laying out work** (*Motion picture*) U. S. Office of Education, 1944. Made by Mode-Art Pictures.

**Save work in doing dairy chores** (*Filmstrip*) U. S. Dept. of Agriculture, 1947.

**Step by step in everday tasks** (*Filmstrip*) U. S. Dept. of Agriculture with the cooperation of Washington State Extension Service, 1944.

**Work simplification in the shop** (*Motion picture*) U. S. Dept. of the Army, 1954.

WORK EXPERIENCE see Vocational education

WORKERS see Labor and laboring classes

WORKING-WOMEN see Woman—Employment

WORKSHOPS (GROUP DISCUSSION) see Forums (Discussion and debate)

WORLD FEDERATION see International organization

WORLD HEALTH ORGANIZATION

**The ancient curse** (*Motion picture*) U. S. Dept. of State, 1952. Made by Educational Film Corp. of America. Released for educational use in the United States through U. S. Office of Education, 1952.

### WORLD POLITICS

see also Geopolitics; International organization

**American history II, lecture 13: International anarchy and America's entry into World War II** (*Motion picture*) U. S. Dept. of Defense, 1956.

**Evaluating a nation** (*Motion picture*) U. S. Dept. of Defense, 1951. Released for public educational use through U. S. Office of Education, 1951.

**Summer incident** (*Motion picture*) U. S. Dept. of the Navy, 1959.

### WORLD WAR, 1914-1918 see European War, 1914-1918

### WORLD WAR, 1939-1945

**The Air Force story: The Air Force and the atom bomb** (*Motion picture*) U. S. Dept. of the Air Force, 1960.

**American history II, lecture 14: World War II and after** (*Motion picture*) U. S Dept. of Defense, 1956.

**The big picture: Battlefields of Europe** (*Motion picture*) U. S. Dept. of the Army, 1958.

**Combat bulletin, no. 1** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 4** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 17** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 19** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 24** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 25** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 27** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 28** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 30** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 31** (*Motion picture*) U. S. Dept. of Defense, 1944.

**Combat bulletin, no. 33** (*Motion picture*) U. S. Dept. of Defense, 1945.

**Combat bulletin, no. 35** (*Motion picture*) U. S. Dept. of Defense, 1945.

**Combat bulletin, no. 40** (*Motion picture*) U. S. Dept. of Defense, 1945.

**Combat bulletin, no. 42** (*Motion picture*) U. S. Dept. of Defense, 1945.

**Combat bulletin, no. 43** (*Motion picture*) U. S. Dept. of Defense, 1945.

**Combat bulletin, no. 45** (*Motion picture*) U. S. Dept. of Defense, 1945.

**Welcome home** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

#### —AERIAL OPERATIONS

**The battle of Britain** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.

#### —AERIAL OPERATIONS, AMERICAN

**AAF comes of age** (*Motion picture*) U. S. Army Air Forces, 1946.

**The Air Force story: Air war against Japan, 1944–1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: D-day, June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Expanding air power, June 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Global operations, 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Maximum effort, October 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: North Africa, November 1942–May 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Ploesti, March–August 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Prelude to invasion, January–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Retreat and advance, June 1944–March 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Road to Rome, September 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Schweinfurt and Regensburg, August 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Superfort, August 1943–June 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The AAF fights back, April–July 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The drawing of the battle lines, December 1941 to April 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: The tide turns, June–December 1942** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Two years of war, September–December 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Air Force story: Victory in Europe, June 1944–May 1945** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**Air pattern Pacific** (*Motion picture*) U. S. Army Air Forces, 1945.

**Air siege** (*Motion picture*) U. S. Dept. of the Air Force, 1947.

**China crisis** (*Motion picture*) U. S. Army Air Forces, 1946.

**Combat America** (*Motion picture*) U. S. Army Air Forces, 1945.

**Fight for the sky** (*Motion picture*) U. S. Army Air Forces, 1945.

**The last bomb** (*Motion picture*) U. S. Dept. of the Air Force, 1947.

**Memphis Belle** (*Motion picture*) U. S. Army Air Forces, 1944.

**Mission accomplished** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

**Pacific milk run** (*Motion picture*) U. S. Marine Corps, 1945. Made by U. S. Dept. of the Navy.

**Perishable rush** (*Motion picture*) U. S. Army Air Forces, 1945.

**Target for today** (*Motion picture*) U. S. Army Air Forces, 1944.

**Target Tokyo** (*Motion picture*) U. S. Dept. of the Air Force, 1948.

#### —AMPHIBIOUS OPERATIONS

**Bombs over Tokyo** (*Motion picture*) U. S. Marine Corps, 1947.

**Combat bulletin, no. 6** (*Motion picture*) U. S. Dept. of Defense, 1944.

**D-day convoy** (*Motion picture*) U. S. Dept. of the Army, 1948.

**Normandy invasion** (*Motion picture*) U. S. Coast Guard, 1944.

#### —ATROCITIES

see also Nuremberg Trial of Major German War Criminals, 1945-1946

**Nuremberg trials** (*Motion picture*) U. S. Dept. of Defense, 1949.

#### —CAMPAIGNS—ADMIRALTY ISLANDS

**The Admiralty Islands** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

#### —CAMPAIGNS—CRETE

**Invasion of Crete by the German Army** (*Motion picture*) U. S. War Dept., 1942. Released for public educational use through U. S. Office of Education, 1950.

#### —CAMPAIGNS—GUADALCANAL ISLAND

**This is Guadalcanal** (*Motion picture*) U. S. Navy Dept., 1943.

#### —CAMPAIGNS—ITALY

**Naples to Cassino** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**San Pietro** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Sicily to Naples** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

#### —CAMPAIGNS—NEW BRITAIN (ISLAND)

**Attack! The battle for New Britain** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

#### —CAMPAIGNS—OKINAWA ISLAND

**The fleet that came to stay** (*Motion picture*) U. S. Dept. of the Navy, 1945.

**The naval gun at Okinawa** (*Motion picture*) U. S. Navy Dept., 1946. Made by Jam Handy Organization.

#### —CAMPAIGNS—PELEW ISLANDS

**Action at Anguar** (*Motion picture*) U. S. War Dept., 1945.

**Fury in the Pacific** (*Motion picture*) U. S. Dept. of the Navy and U. S. Marine Corps, 1945.

#### —CAMPAIGNS—SOLOMON ISLANDS

**Lifeline** (*Motion picture*) U. S. War Dept., 1943.

**Price of Rendova** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

#### —CAMPAIGNS—WESTERN

**American First Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.

**American Ninth Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**D-day minus one** (*Motion picture*) U. S. Army Air Forces, 1945.

**D–Z Normandy: Employment of troop carrier forces** (*Motion picture*) U. S. Army Air Forces, 1944.

**Divide and conquer** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945; and through U. S. Office of Education, 1949.

**The 83rd Infantry Division in Europe** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

**Eve of battle** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

**The famous Third Army** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

**Invasion of southern France** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Normandy invasion** (*Motion picture*) U. S. Coast Guard, 1944.

**29th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

**Work horse of the western front: 30th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

#### —CAUSES

**Prelude to war** (*Motion picture*) U. S. War Dept., 1942. Released for public use through U. S. Office of War Information, Domestic Branch, 1945; and through U. S. Office of Education, 1949.

## WORLD WAR, 1939-1945

### —CAUSES (Continued)

**War comes to America** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

### —COMMUNICATIONS

**Pro patria vigilans** (*Motion picture*) U. S. Dept. of the Army, 1951.

### —DESTRUCTION AND PILLAGE

**The battle of Britain** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.

### —ECONOMIC ASPECTS

**Black marketing** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

**Keep 'em rolling** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

### —ENGINEERING AND CONSTRUCTION

**Fixed bridge construction and repair in the CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

**Military pipeline system: CBI theater** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Road construction and maintenance in CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

**Seabee civilian** (*Motion picture*) U. S. Dept. of the Navy, 1950. Released for public educational use through U. S. Office of Education, 1950.

**Seabees can do plus** (*Motion picture*) U. S. Dept. of the Navy, 1950. Made by Cascade Pictures.

**The Seabees: They came to an island** (*Motion picture*) U. S. Dept. of the Navy, 1946. Made by Pathescope Company of America.

**The Stilwell Road** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

### —FOOD QUESTION

**Farmer at war** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

### —MEDICAL AND SANITARY AFFAIRS

**Army medical laboratories** (*Motion picture*) U. S. Dept. of the Army, 1947.

**Lifeline** (*Motion picture*) U. S. War Dept., 1943.

**Perishable rush** (*Motion picture*) U. S. Army Air Forces, 1945.

**What price Iwo** (*Motion picture*) U. S. Navy Dept., 1946. Made by Byron, inc.

### —NAVAL OPERATIONS—SUBMARINE

**The Growler story** (*Motion picture*) U. S. Dept. of the Navy, 1958.

**Serving the merchant marine** (*Motion picture*) U. S. Coast Guard, 1944.

**Silent service** (*Motion picture*) U. S. Dept. of the Navy, 1946.

### —NAVAL OPERATIONS, AMERICAN

**Attack in the Pacific** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

**Away boarders** (*Motion picture*) U. S. Dept. of the Navy, 1945. Released for public educational use through U. S. Office of Education, 1952.

**Prelude to victory** (*Motion picture*) U. S. Dept. of the Navy, 1946.

**Saga of the USS Franklin** (*Motion picture*) U. S. Dept. of the Navy, 1948. Made by General Film Productions Corp.

**Sea power in the Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1950.

### —RECONSTRUCTION see Reconstruction (1939-1951)

### —REFUGEES

**The Cummington story** (*Motion picture*) U. S. Office of War Information, Overseas Branch, 1945. Released for educational use in the United States through U. S. Office of Education, 1949.

### —REGIMENTAL HISTORIES

**American First Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1951.

**American Ninth Army: Aachen to the Roer River** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**D–Z Normandy: Employment of troop carrier forces** (*Motion picture*) U. S. Army Air Forces, 1944.

**The 82d Airborne Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**The 83rd Infantry Division in Europe** (*Motion picture*) U. S. Dept. of the Army, 1951. Released for public educational use through U. S. Office of Education, 1951.

**The famous Third Army** (*Motion picture*) U. S. Dept. of the Army, 1950. Released for public educational use through U. S. Office of Education, 1952.

**Hell for leather** (*Motion picture*) U. S. War Dept., 1946.

**Invasion of southern France** (*Motion picture*) U. S. Dept. of the Army, 1950.

**San Pietro** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

**Seventh Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949.

**Sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**Sunset Division: 41st Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1950.

**36th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.

**27th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.

**The Twenty-sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1952.

**Winged victory on foot: 43d Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1952.

### —SUPPLIES

**Keep 'em rolling** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

**Ordnance service in an overseas theater** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1950.

### —TRANSPORTATION

**Right of way** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

**Troop train** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1943. Released also through U. S. Office of Education, 1945.

### —WOMEN'S WORK

**Women in defense** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1942. Released also through U. S. Office of Education, 1945.

### —BELGIUM

**Defense of Antwerp against the V–1** (*Motion picture*) U. S. Dept. of the Army, 1947. Released for public educational use through U. S. Office of Education, 1950.

### —BOUGAINVILLE ISLAND

**Bougainville** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

### —BURMA

**Fixed bridge construction and repair in the CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Edcation, 1950.

**Military pipeline system: CBI theater** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Road construction and maintenance in CBI** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

**The Stilwell Road** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1949.

### —CHINA

**China crisis** (*Motion picture*) U. S. Army Air Forces, 1946.

### —GERMANY

**The Air Force story: Schweinfurt and Regensburg, August 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

**The Nazis strike** (*Motion picture*) U. S. War Dept., 1943. Released for public use through U. S. Office of War Information, Domestic Branch, 1945, and through U. S. Office of Education, 1949.

### —ITALY

**Liberation of Rome** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1949.

### —JAPAN

**Atomic medical cases: Japan, World War II** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Tale of two cities** (*Motion picture*) U. S. War Dept., 1946. Released for public educational use through U. S. Office of Education, 1949.

### —MELANESIA

**Melanesia** (*Filmstrip*) U. S. Dept. of the Navy, 1943. Released for public educational use through U. S. Office of Education. 1948.

### —OCEANICA

**Borneo and Celebes** (*Filmstrip*) U. S. Dept. of the Navy, 1944. Made by Fletcher Smith Art Agency. Released for public educational use through U. S. Office of Education, 1948.

### —PACIFIC OCEAN

see also Iwo Jima, Battle of, 1945;
Tarawa, Battle of, 1943

**Appointment in Tokyo** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

**Attack in the Pacific** (*Motion picture*) U. S. Dept. of Defense, 1950. Made by U. S. Dept. of the Army.

**Bombs over Tokyo** (*Motion picture*) U. S. Marine Corps, 1947.

**Pacific pathways** (*Motion picture*) U. S. Dept. of Defense, 1948. Released for public educational use through U. S. Office of Education, 1949.

**Sea power in the Pacific** (*Motion picture*) U. S. Dept. of the Navy, 1946. Released for public educational use through U. S. Office of Education, 1950.

**Seventh Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1949.

**Sixth Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1948. Released for public educational use through U. S. Office of Education, 1950.

**32nd Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1954.

**27th Infantry Division** (*Motion picture*) U. S. Dept. of the Army, 1953.

**The victory division: 24th Infantry** (*Motion picture*) U. S. Dept. of the Army, 1950.

### —PANTELLERIA, ISLE OF

**The Air Force story: Expanding air power, June 1943** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

WORLD WAR, 1939-1945 (Continued)

—PHILIPPINE ISLANDS

**Appointment in Tokyo** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

—RENDOVA

**Price of Rendova** (*Motion picture*) U. S. War Dept., 1944. Released for public educational use through U. S. Office of Education, 1950.

—RUMANIA

**The Air Force story: Ploesti, March–August 1944** (*Motion picture*) U. S. Dept. of the Air Force, 1953.

—U.S.

**American history II, lecture 13: International anarchy and America's entry into World War II** (*Motion picture*) U. S. Dept. of Defense, 1956.

**The ground team: Designed for victory** (*Motion picture*) U. S. War Dept., 1945. Released for public educational use through U. S. Office of Education, 1950.

**Let's look at ordnance** (*Motion picture*) U. S. War Dept., 1945.

**Three cities** (*Motion picture*) U. S. Office of War Information, Domestic Branch, 1944. Released also through U. S. Office of Education, 1945.

WORMS, INTESTINAL AND PARASITIC

see also Hookworms; Tapeworms; Trichina and trichinosis

**Ascariasis (Infestation with ascarids)** (*Motion picture*) U. S. Dept. of the Army, 1949.

WORSHIP

**Worship in life** (*Motion picture*) U. S. Dept. of the Army, 1959.

WOUNDED IN BATTLE see War—Relief of sick and wounded

WOUNDS

see also Gunshot wounds; Venom —Physiological effect

—TREATMENT

see also Bandages and bandaging; First aid in illness and injury

**Debridement. Part 1: Multiple soft tissue wounds** (*Motion picture*) U. S. Dept. of the Army, 1957.

**Debridement. Part 2: Wounds of the extremities** (*Motion picture*) U. S. Dept. of the Army, 1956.

**Multiple wounds, report of a battle casualty** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

**Resuscitative care of the severely wounded** (*Motion picture*) U. S. Dept. of the Army. 1957.

**Soft tissue wounds** (*Motion picture*) U. S. Dept. of the Navy, 1944. Made by Byron. Released for public educational use through U. S. Office of Education, 1948.

WRAPPING MATERIALS

**Packaging and packing: Methods of preservation, method I, preservative coating (with greaseproof wrap as required)** (*Filmstrip*) U. S. Dept. of the Army, 1959.

WRECKS see Shipwrecks

WRENCHES

see also Torque wrenches

**Wrenches** (*Motion picture*) U. S. War Dept., 1943. Released for public educational use through U. S. Office of Education, 1949.

WRIGHT AIR DEVELOPMENT CENTER see U. S. Wright Air Development Center

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

**Wright-Patterson Air Force Base** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army.

WRIST

—FRACTURE

**Fractures about the wrist and hand** (*Motion picture*) U. S. Veterans Administration, 1955. Made by Churchill-Wexler Film Productions.

—SURGERY

**Surgical approaches to the joints of the wrist** (*Motion picture*) U. S. Veterans Administration, 1952. Made by Churchill-Wexler Film Productions.

WYOMING

**Wyoming and its natural resources** (*Motion picture*) U. S. Bureau of Mines in cooperation with Sinclair Refining Co., 1949.

## XYZ

X-RAY PHOTOGRAPHY see Radiography

X-RAYS

see also Gamma rays; Radiotherapy; Vacuum-tubes

**Routine X-ray procedures** (*Motion picture*) U. S. Dept. of the Navy, 1945. Made by Pathescope Productions. Released for public educational use through U. S. Office of Education, 1948.

—INDUSTRIAL APPLICATIONS

**X-ray inspection** (*Motion picture*) U. S. Office of Education, 1944. Made by Audio Productions.

**X-ray inspection** (*Filmstrip*) U. S. Office of Education, 1944. Made by Audio Productions.

—THERAPEUTIC USE

**Radiotherapy: High dosage treatment** (*Motion picture*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

**Radiotherapy: High dosage treatment** (*Filmstrip*) U. S. Office of Education with the cooperation of U. S. Public Health Service, 1945. Made by Willard Pictures.

X-RAYS IN DENTISTRY see Teeth—Radiography

YOMIURI SHIMBUN-SHA, TOKYO

**Edition Tokyo** (*Motion picture*) U. S. Dept. of the Army, 1950.

YONKERS, N. Y.

—CHARITIES

**Community Chest** (*Motion picture*) U. S. Dept. of the Army, 1950. Made by RKO Pathé. Released for public educational use through U. S. Office of Education, 1950.

YOUTH

**Leaders of tomorrow** (*Motion picture*) U. S. Dept. of the Army, 1949. Released for public educational use through U. S. Office of Education, 1951.

**Young Uruguay** (*Motion picture*) U. S. Coordinator of Inter-American Affairs, 1943. Made by Julien Bryan. Re-released for educational use in the United States through U. S. Office of Education, 1949.

YUGOSLAVIA

**Yugoslavia** (*Motion picture*) U. S. Dept. of Defense, 1953. Made by U. S. Dept. of the Army

YUKAWA, HIDEKI, 1907-

**The Yukawa story** (*Motion picture*) U. S. Information Agency, 1955. Made by Joseph Krumgold. Released for public educational use in the United States through U. S. Office of Education, 1955.

ZINC INDUSTRY AND TRADE

**Zinc, its mining, milling, and smelting** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1948.

ZINC MINES AND MINING

**Zinc, its mining, milling, and smelting** (*Motion picture*) U. S. Bureau of Mines in cooperation with St. Joseph Lead Co., 1948.

ZOOLOGY

see also Animals, Habits and behavior of; Domestic animals; Embryology; Forest fauna; Laboratory animals; Physiology, Comparative

**Realm of the wild** (*Motion picture*) U. S. Dept. of Agriculture, 1945.

ZOYSIA

**Beltsville newsreel, no. 3** (*Motion picture*) U. S. Dept. of Agriculture, 1956.

## LOAN, RENTAL, AND PURCHASE SOURCES OF U. S. GOVERNMENT FILMS

Following, arranged alphabetically by the symbols used in Part I, are the names and addresses of the loan, rental, and purchase sources listed for individual films.

ACS.......American Cancer Society, Inc., 47 Beaver St., New York 4, N.Y.

AEC.......U.S. Atomic Energy Commission at the following addresses:

518 17th St., Oakland, Calif.

Grand Junction, Colo.

P.O. Box 1221, Idaho Falls, Idaho

P.O. Box 59, Lemont, Ill.

P.O. Box 5400, Albuquerque, N.M.

70 Columbus Ave., New York 23, N.Y.

P.O. Box 268, Portsmouth, Ohio

P.O. Box A, Aiken, S.C.

P.O. Box E, Oak Ridge, Tenn.

P.O. Box 550, Richland, Wash.

Washington 25, D.C.

AF........U.S. Air Force, Film Library Center, 8900 So. Broadway, St. Louis 25, Mo.

Archives..National Archives, Washington 25, D.C.

Army......U.S. Army, Signal Officer, at the following addresses:

First Army, Governors Island, New York 4, N.Y.

Second Army, Fort Meade, Md.

Third Army, Fort McPherson, Ga.

Fourth Army, Fort Sam Houston, Texas

Fifth Army, 1660 E. Hyde Park Blvd. Chicago, Ill.

Sixth Army, Presidio, San Francisco, Calif.

Military District of Washington, Washington 25, D.C.

ASAE......American Society of Agricultural Engineers, St. Joseph, Mich.

BM.........Bureau of Mines, U.S. Department of the Interior, 4800 Forbes Ave., Pittsburgh 13, Pa. and some 90 depository film libraries throughout the country.

BPA........Bonneville Power Administration, Portland, Ore.

BR.........Bureau of Reclamation, U.S. Department of the Interior, Washington, D.C.

Byron......Byron Motion Pictures, Inc., 1226 Wisconsin Avenue, Washington 7, D.C.

CAP........Civil Air Patrol, National Headquarters, Ellington Air Force Base, Houston, Texas

Capital....Capital Film Laboratories, Inc., 1905 Fairview Ave., N.E.,Washington 2, D.C.

CGS........Coast and Geodetic Survey, U.S. Department of Commerce, Washington 25, D.C.

CW.........Churchill-Wexler Film Productions, Inc., 801 N. Seward St., Hollywood 38, Calif.

DA.........U.S. Department of Agriculture, Washington 25, D.C. and some 70 depository film libraries throughout the country.

DA-MPS.....U.S. Department of Agriculture, Motion Picture Service, Washington 25, D.C.

DC-TF......U.S. Department of Commerce, Office of International Trade Fairs, Washington 25, D.C.

DI-AR......U.S. Department of the Interior, Alaska Railroad, Washington 25, D.C.

Eng........Corps of Engineers, U.S. Army, Washington 25, D.C.

FAA........Federal Aviation Agency, Washington 25, D.C.

FRB........Federal Reserve Banks of Minneapolis, Minn. and of Richmond, Va.

FWS........Fish and Wildlife Service, U.S. Department of the Interior, Washington 25, D.C.

GS.........Geological Survey, U.S. Department of the Interior, Washington 25, D.C.

IFB........International Film Bureau, Inc., 57 E. Jackson Boulevard, Chicago 4, Ill.

NASA.......National Aeronautics and Space Administration, Washington 25, D.C.

Navy.......U.S. Navy, Assistant for Public Information, at the following addresses:

First Naval District, 495 Summer St., Boston 10, Mass.

Third Naval District, 90 Church St., New York 7, N.Y.

Fourth Naval District, U.S. Naval Base, Philadelphia 12, Pa.

Fifth Naval District, U.S. Naval Base, Norfolk 11, Va.

Sixth Naval District, U.S. Naval Base, Charleston, S.C.

Eighth Naval District, U.S. Naval Station, New Orleans 40, La.

Ninth Naval District, U.S. Naval Training Center, Great Lakes, Ill.

Eleventh Naval District, Navy Headquarters Bldg., San Diego 30, Calif.

Twelfth Naval District, Navy Headquaters Bldg.,San Francisco 2, Calif.

Thirteenth Naval District, U.S. Naval Station, Seattle 99, Wash.

Potomac River Naval Command, Naval Weapons Plant, Washington 25, D.C.

NBS........National Bureau of Standards, U.S. Department of Commerce, Washington 25, D.C.

NCI........National Cancer Institute, Bethesda, Md.

NGA........National Gallery of Art, Washington 25, D.C.

OCDM.......Office of Civil and Defense Mobilization at the following addresses:

Region 1, Oak Hill Rd., Harvard, Mass.

Region 2, Olney, Md.

Region 3, P.O. Box 108, Thomasville, Ga.

Region 4, Battle Creek, Mich.

Region 5, Denton, Texas

Region 6, P.O. Box 8878, University Park Station, Denver 10, Colo.

Region 7, Naval Auxiliary Air Station, Santa Rosa, Calif.

Region 8, Everett, Wash.

OVR........Office of Vocational Rehabilitation, U.S. Department of Health, Education, and Welfare, Washington 25, D.C.

PCGC.......President's Committee on Government Contracts, Washington 25, D.C.

PCPH.......President's Committee on Employment of the Physically Handicapped, Washington 25, D.C.

PCR........Psychological Cinema Register, Pennsylvania State University, University Park, Pa.

PCTS.......President's Committee for Traffic Safety, Washington 25, D.C.

Photo Lab..Photo Lab, Inc., 3825 Georgia Ave., Washington 11, D.C.

PHS........U.S. Public Health Service, Communicable Disease Center, Atlanta 22, Ga.

PO.........U.S. Post Office Department, Washington 25, D.C.

SSA........Social Security Administration, Bureau of Old Age and Survivors Insurance, Baltimore, Md. and in principal cities throughout the country.

SVE........Society for Visual Education, Inc., 1345 W. Diversey Parkway, Chicago 14, Ill.

TVA........Tennessee Valley Authority, Knoxville, Tenn.

UWF........United World Films, Inc., 1445 Park Ave., New York 29, N.Y.

VA.........U.S. Veterans Administration, Washington, D.C.

WB.........U.S. Weather Bureau, Washington 25, D.C. and depository film libraries throughout the country

* U.S. GOVERNMENT PRINTING OFFICE : [illegible]